

IN STOCK AT BUFFALO

Genuine Plow Repairs — Syracuse, John Deere,
Oliver, LeRoy, Wiard, East Aurora, Castile,
Cambridge, Burch, etc.

Bale Ties	Kow Kare-Bag Balm-
Barn Equipment (Star)	Dilators
Belts-Thresher	Ladders
Binder Canvasses	Land Rollers
Binder Twine	Lawn Mowers
Bissell Disc Harrows	Lawn Rollers
Brooder Stoves	Lime and Fertilizer
Cannon Ball Track, etc.	Sowers
Carbolineum	Manure Spreaders
Champion Potato Diggers	Mowers
Chick Boxes	Mowing Machine Sections,
Celo-Glass	Guards, Rivets
Concrete Mixers	Pea Harvesters
Contractor Plows	Planters—Bean, Corn
Corn Markers	and Potato
Corn Shellers	Planet Jr. Seeders
Cow Spray	—Hand Tools
Cow Stanchions	Planet Jr. Garden Tractors
Cultivators	Plows
Dahlman Pickers and	Potato Diggers, Planters,
Baggers	Sprayers, Hillers and
Dusters—Iron Age	Markers
Egg Scales	Poultry Netting
Electric Fence Controls	Poultry Supplies—Oakes
Electric Refrigerators	Buckeye, Royal
Engines	Pumps
Ensilage Cutters	Roderick Lean Farm Tools
Fanning Mills	Root Cutters
Farm Trucks	Rope
Feed Grinders	Saws and Saw Frames
Filter Disks	Scrapers—Drag
Garden Tractors,	Scythes and Snaths
Planet Jr.	Seeders—Wheelbarrow
Glass Cloth	Shovel Plows
Grain Drills—Superior	Side Delivery Rakes
Grind Stones	Smoked Salt
Hammer Mills	Sprayers—Iron Age
Hardware Cloth	Steel Goods—Forks, Hoes,
HTH 15	Rakes
Harrows: Spring Tooth,	Stewart Clippers
Spike Tooth, Disc	Tanks—galvanized stock
& Meeker	Toxite
Hatchery Supplies	Tractor Plows, Discs
Hay Rakes	Transplanters
Hog Troughs and	Vitapane
Hog Feeders	Wagons
Iron Age Potato Planter	Washing Machines
Insecticides	Water Bowls
Irrigation Pipe and	Weeders—Walking and
Sprinklers	Riding
Myers' Pumps, Hay Tools and Door Hangers, etc.	Wheelbarrows

LOEGLER & LADD

Wholesale Distributors

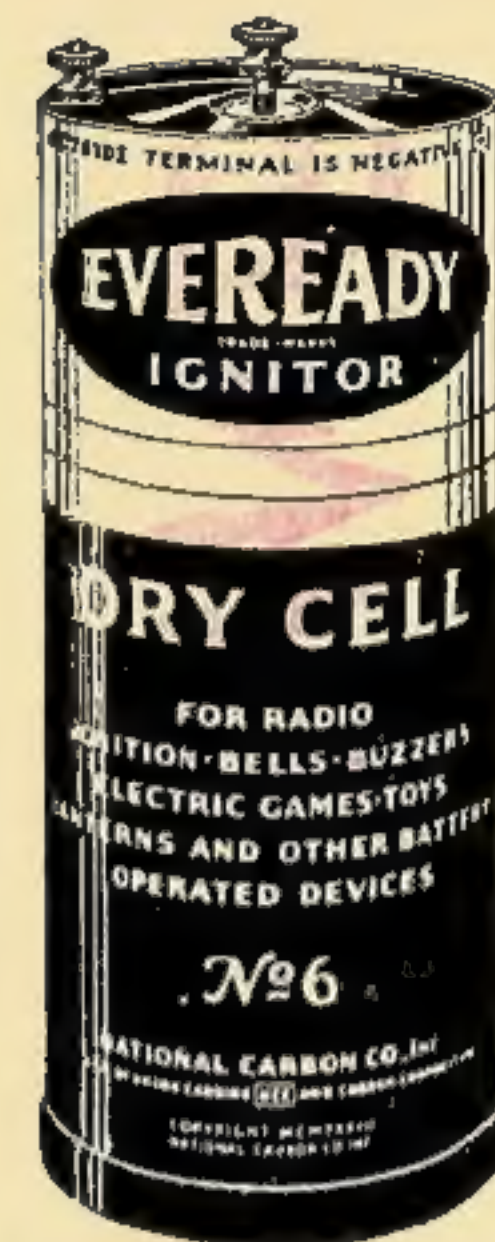
104-106 TERRACE, BUFFALO

(Over)



EVEREADY
C O L U M B I A
Dry Batteries

**FOR GENERAL IGNITION
and
ELECTRIC FENCE CONTROLLERS**



Full Line of
ELECTRIC FENCE ACCESSORIES
Stocked at Buffalo



GATE HANDLES — TESTERS
SIGNS — LIGHTNING ARRESTORS
LOEGLER AND LADD

CONTROLLERS IN STOCK
Prime
Electroline — Shox Stox

No. CR-2-3
WILLIARD WET BATTERIES
For Electric Fence
BUFFALO 2, NEW YORK

IN STOCK AT BUFFALO

Genuine Plow Repairs — Syracuse, John Deere,
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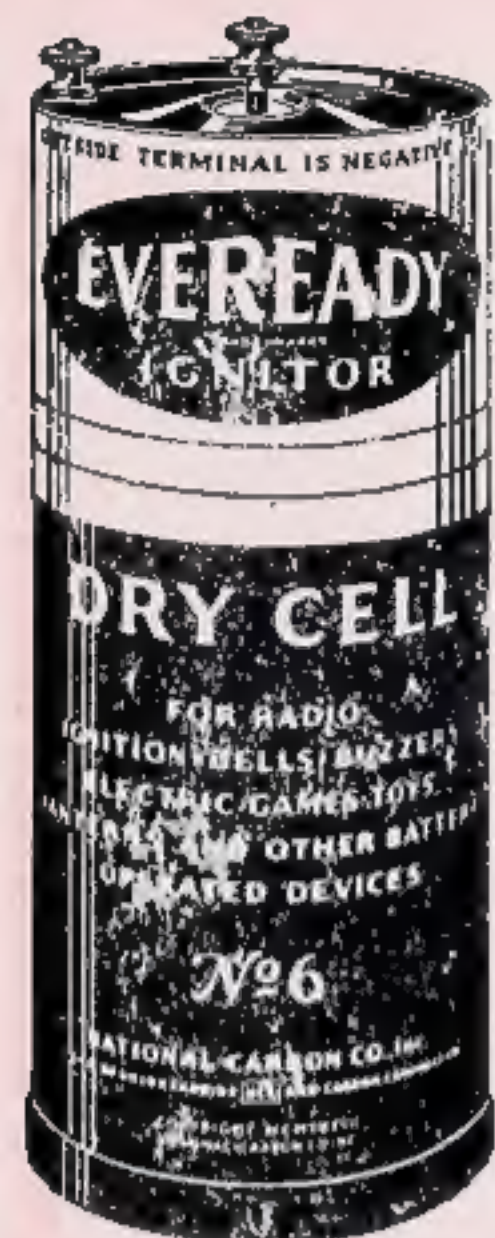
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Hay Rakes	Transplanters
Hog Troughs and	Vitapane
Hog Feeders	Wagons
Iron Age Potato Planter	Washing Machines
Insecticides	Water Bowls
Irrigation Pipe and	Weeders—Walking and
Sprinklers	Riding
	Wheelbarrows
Myers' Pumps, Hay Tools and Door Hangers, etc.	

LOEGLER & LADD

Wholesale Distributors

104-106 TERRACE, BUFFALO

(Over)



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COLUMBIA

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FOR GENERAL IGNITION
and
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Full Line of
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SIGNS — LIGHTNING ARRESTORS
LOEGLER AND LADD



CONTROLLERS IN STOCK
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Electroline — Shox Stox

No. CR-2-3
WILLIARD WET BATTERIES
For Electric Fence

BUFFALO 2, NEW YORK

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LOEGLER & LADD

Wholesale Distributors

104-106 TERRACE, BUFFALO

(Over)

Electric Fence Accessories

Stocked at Buffalo

Gate Handles - Testers -
Signs - Lightning Arresters
1461 Batteries

Willard Wet Batteries for Fencers

CONTROLLERS IN STOCK
PRIME
ELECTROLINE—SHOX STOX

Battery — Highline



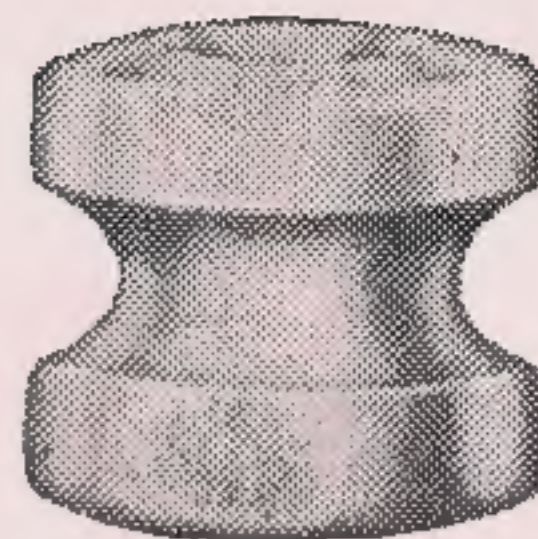
NO. 5 1/2
SOLID
NAIL
KNOB



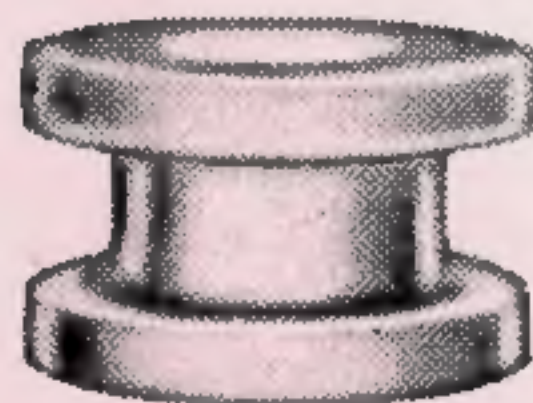
NO. 59
SOLID
KNOB



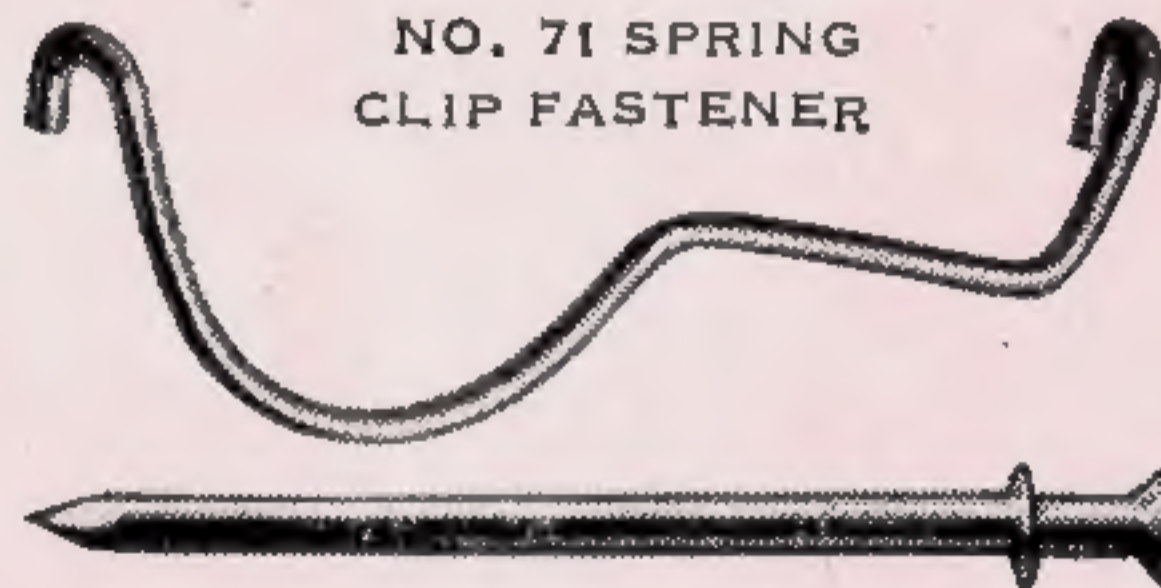
NO. 62
ALL
PURPOSE
KNOB



NO. 37
CORNER
KNOB



NO. 6064
CORNER
KNOB



NO. 71 SPRING
CLIP FASTENER

DOUBLE HEADED NAIL

Low Prices — Quality

LOEGLER AND LADD — BUFFALO 2, N. Y.

STOVER HAMMER MILLS

Numbers

87 88 91

92 93

**STOVER
MFG. & ENGINE
COMPANY**

**FREEPORT, ILL.
U.S.A.**

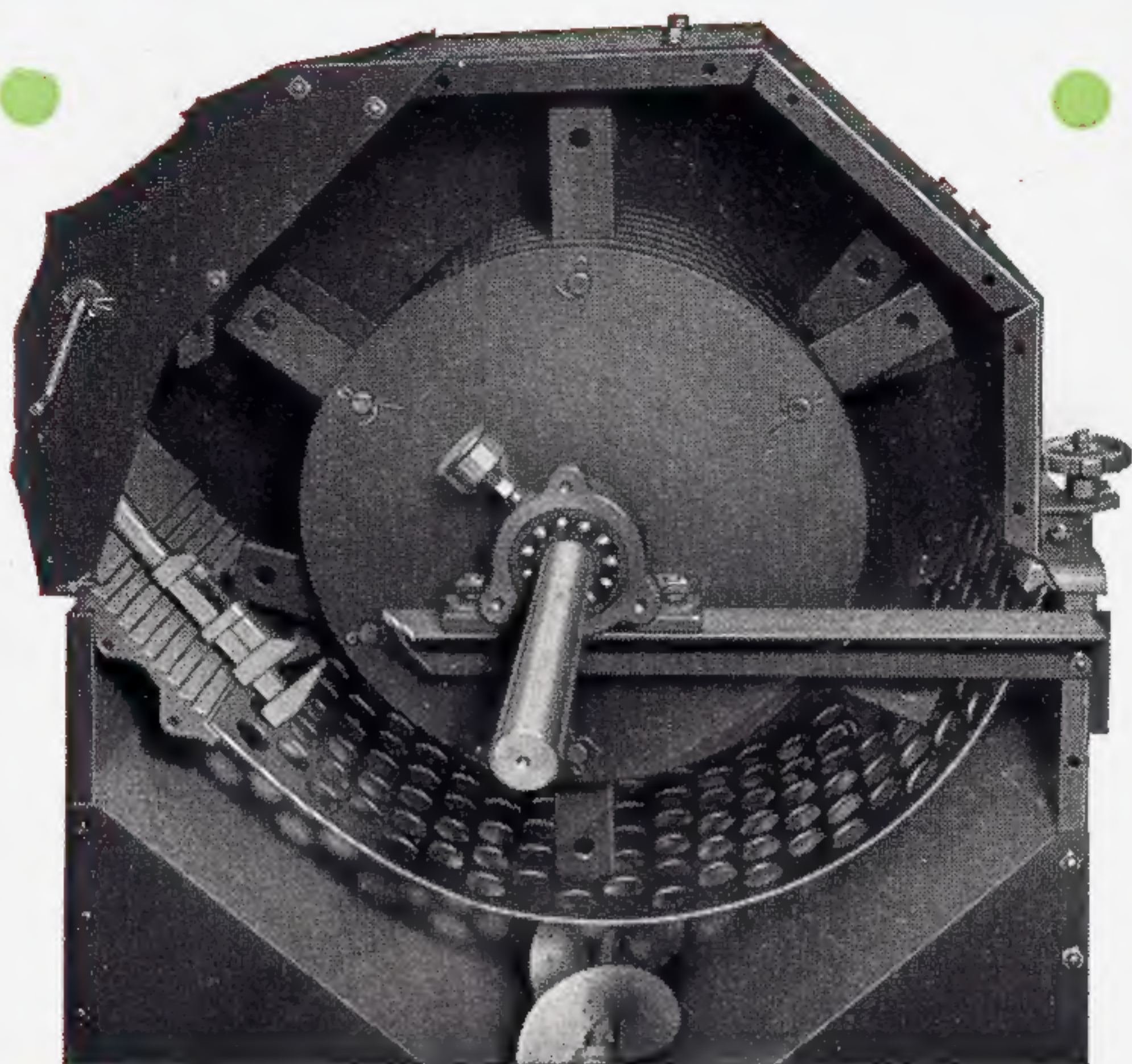


U The above illustration actually represents an exposed view of the No. 91 showing the pack hardened steel hammers, and hardened hammer shafts.

U The Nos. 87 and 88 open the same as the No. 91—the only difference is in the diameter of the steel discs — the size and number of Hammers.

U Lack of space prevents actually illustrating the manner in which the No. 92 and No. 93 are exposed, and which is done by opening the top half of the front which is hinged to the main frame.

U The Hammers on all Stover Mills are of the same design, of the correct number, weight and size for the various Mills to produce the most efficient, satisfactory results, and the largest possible capacities.



Sectional view showing advantage of Swinging Hammers used on all Stover Hammer Mills which, through their flexibility, fold back and permit a wrench or foreign material of any description to pass between the Hammer Head and Screen, eliminating the wrecking of the Mill should foreign material be shoveled into the Mill with the grain.

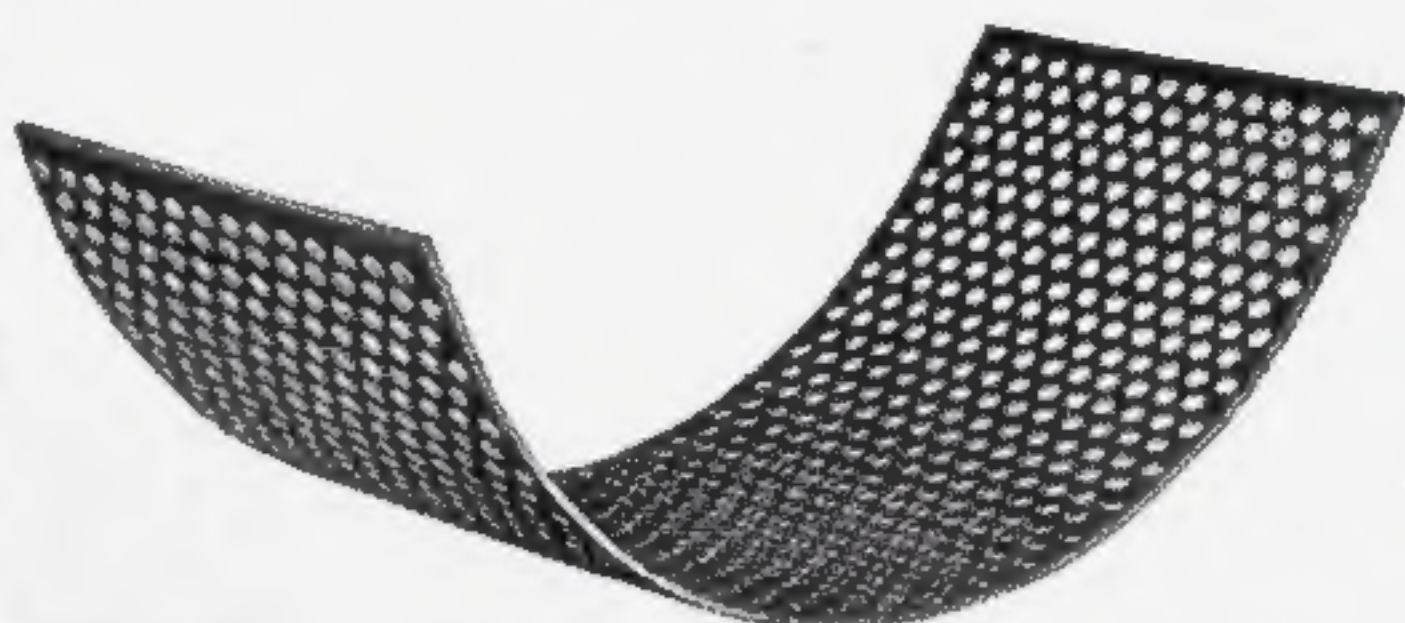
This view also shows the location of the auger as used on Nos. 91, 92, and 93 which prevents building up of ground material under the screen, the SKF roller bearings and the cast iron chill on the Nos. 87, 88 and 91, against which the monkey wrench rests.

The chill in the No. 92 and No. 93 is located almost directly opposite from the position in the Nos. 87, 88 and 91.

The constant beating or pounding of the grain against the cast concave by the hammers causes a large percentage of the reducing of ground material to take place at that point, which is the principal reason for large capacity of Stover Hammer Mills.

SCREENS

The Screen illustration actually represents the one-piece design with which the Nos. 87, 88 and No. 91 is equipped.



The No. 92 and No. 93 Mills are equipped

with screens in two sections, which together form a half circle on the inside of the Mill.

The divided screen is of the same general appearance, except it is split in the center which provides the easiest and simplest method of removing and replacing screens in the models equipped with the divided type.

Lack of space prevents illustrating both types.

HAMMERS

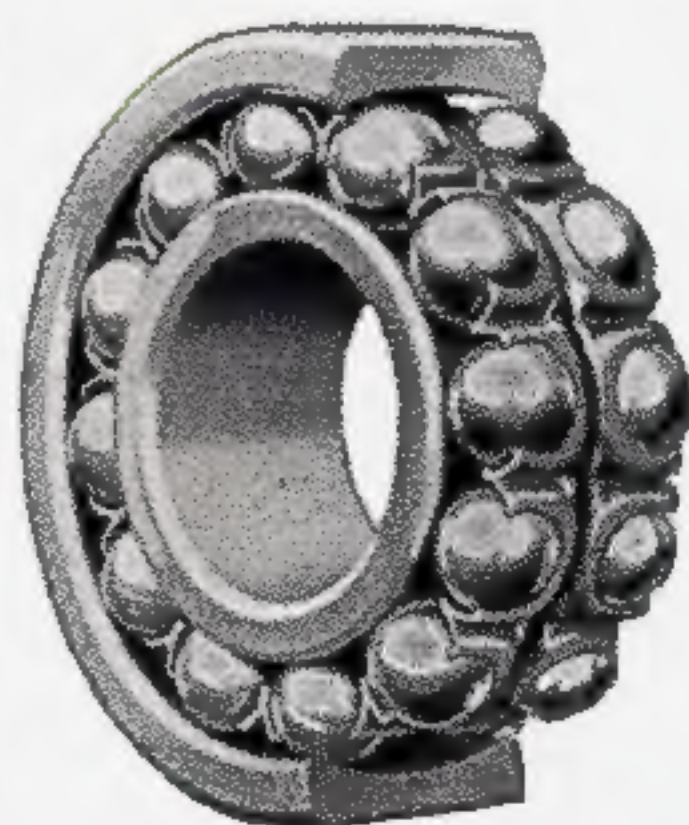


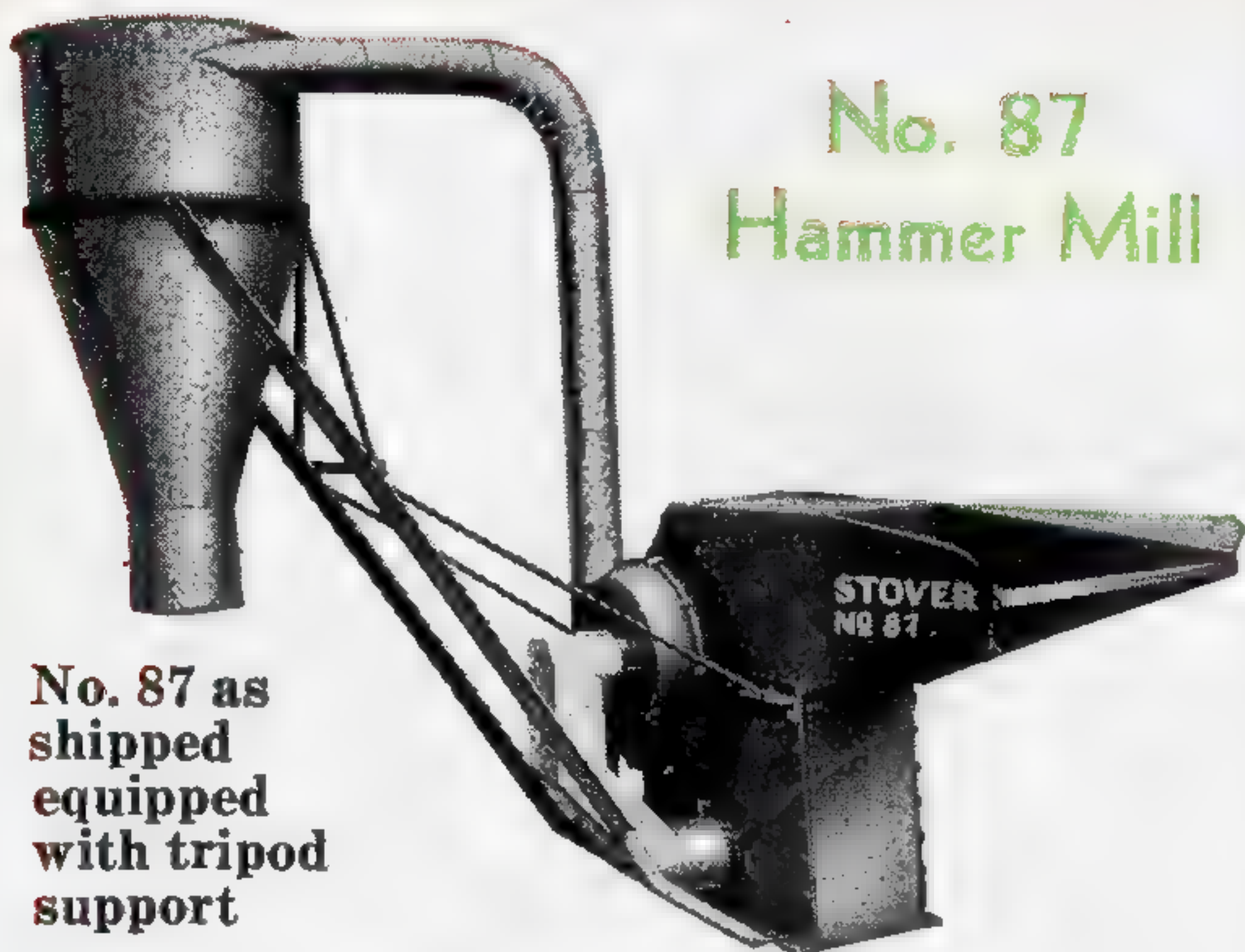
The Hammers on all Stover Mills are of the swinging type; are reversible—have four wearing edges; are made from tool steel; pack hardened—which insures the greatest possible efficiency, eliminates rapid wear and frequent replacements, therefore, will produce an unlimited amount of grinding before replacement is actually necessary.

BEARINGS

All Stover Hammer Mills are equipped with SKF bearings, as illustrated.

SKF self-aligning double row of ball bearings enclosed in a dust-proof housing, require no adjustment, and are recognized to be the most durable and lightest running bearing of that type.





No. 87 Hammer Mill

No. 87 as
shipped
equipped
with tripod
support

SPECIFICATIONS

Power Required.....	5 to 8 H. P.
Speed R. P. M.....	2900 to 3200
Pulley (Rockwood)	3¾" x 5½"
Optional Pulley sizes.....	
.....	3½" x 5½" or 4" x 5½" face
Screens Furnished.....	⅜" and ⅞"
Following sizes at fixed extra cost:	
⅜", ⅛", ¼", ⅝", ⅞", ¾"	
Feed Opening in Square Inches.....	24"
Screen Area in Square Inches.....	140"
Diameter of Hammer Head with Hammers extended	18"
Approximate Shipping Weight complete	300 lbs.

The Nos. 87, 88, 91, 92, and 93 are all of the same general design and construction; are all adapted for doing identically the same class of work, therefore, the principal difference is in the size, capacity and power required for operation.

All Mills except the Nos. 87 and 88 are equipped with a small grain



SPECIFICATIONS

Power Required.....	10 to 20 H. P.
Speed R. P. M.....	2250 to 2500
Pulley (Rockwood).....	4½" dia x 6¾" face
Optional Pulley Sizes....	4"; 4¼" and 5" dia.
Screens furnished.....	⅜" and ¾"
Following sizes at fixed extra cost:	
	⅜"; ¾"; 1⅛"; 1¼"; 1⅝"; 1⅞"; 5⁄8" and 1"
Feed Opening in Square Inches.....	72"
Screen Area in Square Inches.....	245"
Dia. of Hammer Head with Hammers extended.....	23"
Approx. Shipping Weight, complete, 400 lbs.	

hopper and with adjustable slide and feed auger.

The feed table on all Mills is of the heavy metal used in the top half of the body of the Mill.

All models have cast iron chills which assist materially in reducing grain and increasing capacities.



No. 91 Hammer Mill

SPECIFICATIONS

Power Required.....	15 to 30 H. P.
Speed R. P. M.....	2250 to 2450
Pulley (Rockwood).....	4¼" dia x 8" face
Optional Pulley Sizes.....	4-4½" or 5" dia x 8" face
Screens furnished.....	¾" in position; ⅜" as extra without cost
Following sizes at fixed extra cost:	⅛"; ⅜"; ½"; ¾"; ⅝"; ⅞"; 5/8"; 1"; 1¼"; 1½"; 2"
Feed Opening in Square Inches.....	92¼"
Screen Area in Square Inches.....	320"
Dia. of Hammer Head with Hammers extended.....	23"
Approx. Shipping Weight, complete, 575 lbs.	

Cyclone supports are adjustable for wagon box or stacking discharge, blowers are of heavy cast iron construction, operated from the main shaft.

The Hammer Head on all Stover Mills operates toward the feed table



No. 91 Hammer Mill

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Power Required.....	15 to 30 H. P.
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Dia. of Hammer Head with Hammers extended.....	23"
Approx. Shipping Weight, complete, 575 lbs.	

Cyclone supports are adjustable for wagon box or stacking discharge, blowers are of heavy cast iron construction, operated from the main shaft.

The Hammer Head on all Stover Mills operates toward the feed table



SPECIFICATIONS

Power Required.....	30 H. P. and up
Speed R. P. M.....	1900 to 2100
Pulley.....	5"; 5½"; 6" dia. x 8" face
Screens furnished.....	¾" in position; ⅜" as extra without cost
Following sizes at fixed extra cost:	
¾"; ⅝"; ⅜"; ¼"; ⅓"; ⅔"; ⅞";	
1"; 1¼"; 1½"; 2"	
Feed Opening in Square Inches.....	126"
Screen Area in Square Inches.....	520"
Dia. of Cylinder with Hammers ext'ded, 27"	
Approx. Shipping Weight, complete with Cyclone.....	1050 lbs.

or in the same direction as a thresher cylinder, which experience has proved to be the correct rotation for the most efficient results.

The No. 92 is equipped with traveling feed table, governor and



No. 92
Hammer Mill

SPECIFICATIONS

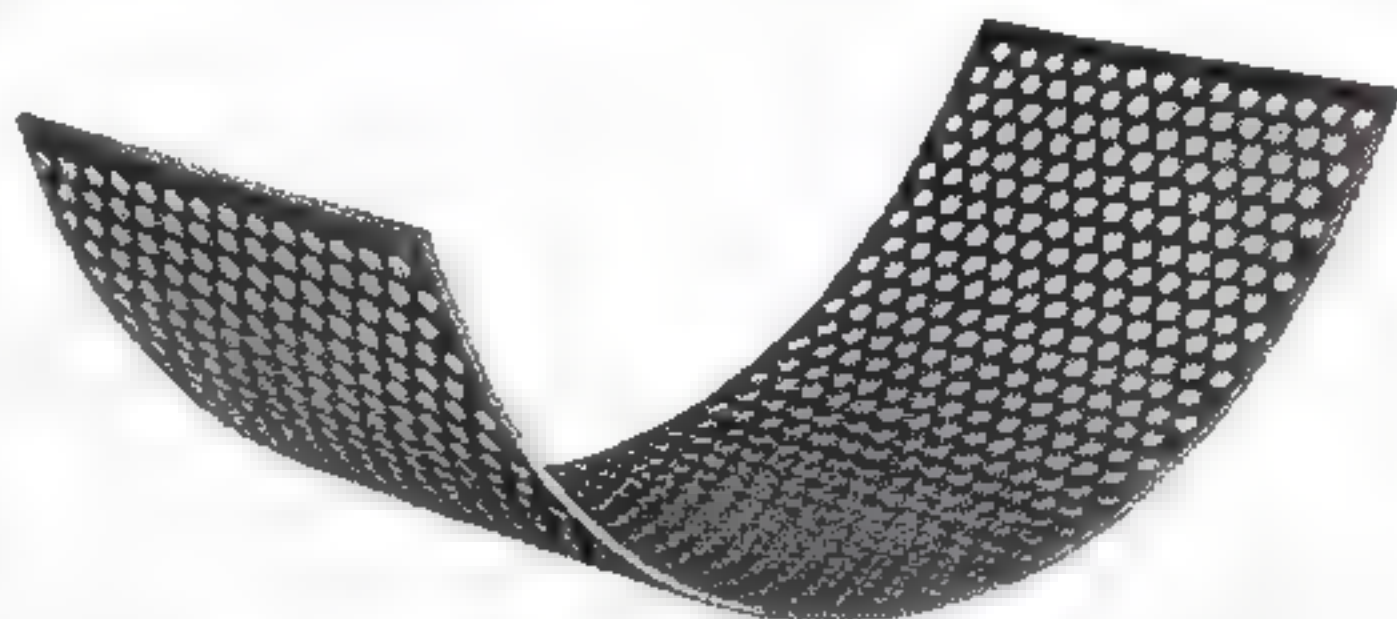
Power Required.....	30 H. P. and up
Speed R. P. M.....	1900 to 2100
Pulley.....	5"; 5½"; 6" dia. x 8" face
Screens furnished.....	¾" in position; ⅜" as extra without cost
Following sizes at fixed extra cost:	
⅜"; ½"; ¾"; ⅝"; ⅞"; 5/8"; 1"; 1¼"; 1½"; 2"	
Feed Opening in Square Inches.....	70"
Screen Area in Square Inches.....	520"
Dia. of Cylinder with Hammers ext'ded, 27"	
Approx. Shipping Weight, complete with Cyclone.....	1525 lbs.

feed regulating gears. All other models excepting the No. 87 can be equipped with extension feed tables at slight additional cost.

A Hammer Mill Catalog covering all models in complete detail, will gladly be supplied, if requested.

SCREENS

The Screen illustration actually represents the one-piece design with which the Nos. 87, 88 and No. 91 is equipped.

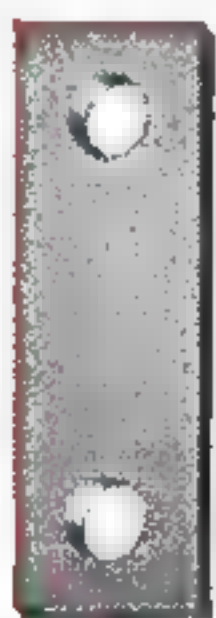


The No. 92 and No. 93 Mills are equipped with screens in two sections, which together form a half circle on the inside of the Mill.

The divided screen is of the same general appearance, except it is split in the center which provides the easiest and simplest method of removing and replacing screens in the models equipped with the divided type.

Lack of space prevents illustrating both types.

HAMMERS

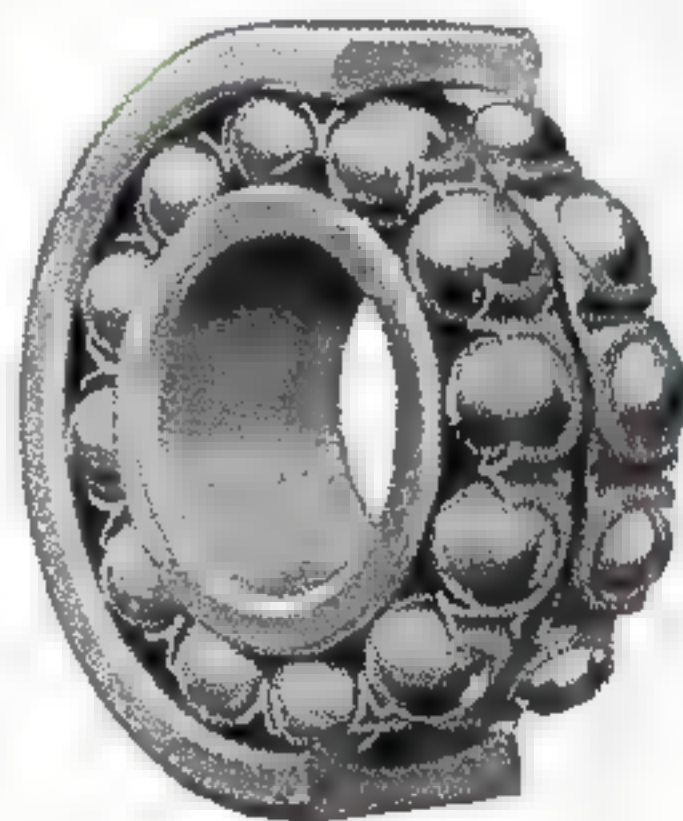


The Hammers on all Stover Mills are of the swinging type; are reversible—have four wearing edges; are made from tool steel; pack hardened—which insures the greatest possible efficiency, eliminates rapid wear and frequent replacements, therefore, will produce an unlimited amount of grinding before replacement is actually necessary.

BEARINGS

All Stover Hammer Mills are equipped with SKF bearings, as illustrated.

SKF self-aligning double row of ball bearings enclosed in a dust-proof housing, require no adjustment, and are recognized to be the most durable and lightest running bearing of that type.



Our Complete Line Includes:

Stover Air Cooled Engines
Stover Horizontal Gasoline Engines
Stover Horizontal Kerosene Engines
Stover Vertical Engines (Power Unit)
Stover Direct Connected Pumping Units
Stover Fuel Oil Engines
Stover Diesel Oil Engines
Samson Oil-Rite Roller Bearing Windmills
Stover Steel Towers for Radio, Windmills,
Tanks, etc.
Tractor Replacement Sleeve Assemblies
Stover Burr Grinders
Stover Power Take-Off for Ford Chassis
Stover Pump Jacks and Working Heads
Stover Tractor Saw Frames
Stover Stationary Saw Frames
Stover One-Man Drag Saws
Stover Tank Heaters
Stover Siphon Stock Fountains
Stover Corn Shellers
Stover Limestone Pulverizer
Stover Hardware Specialties

A special descriptive Catalog,
covering any of the above products
will be furnished upon request.



Tops with

**A MILLION
FARMERS**

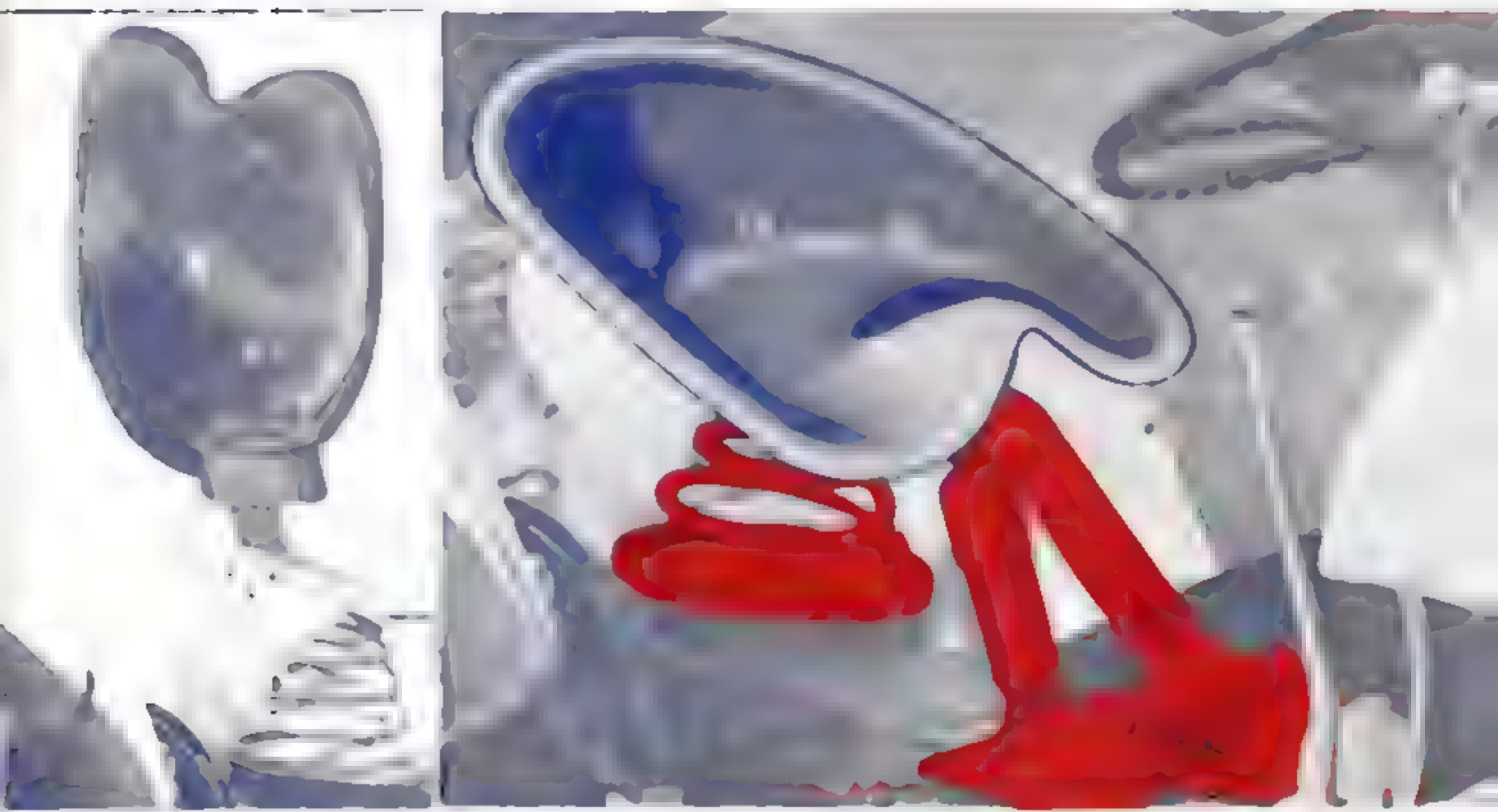
**AUTOMATICALLY
ADJUSTED**

MONROE E-Z RIDE

*Tractor
Seats*



Seat No. 16009 fits Allis-Chalmers Model WC



Seat No. 16041 fits Ford 8N, Ford Ferguson 9N, Ferguson TO (domestic), Ferguson TE (import). Insert shows seat pan tilted back.



Seat No. 16042 fits International Harvester Cub.

MONROE SEATS FIT **MORE THAN** *60 MAKES* *and MODELS*

Practically all tractors built in the last 12 years can be fitted with Monroe hydraulic E-Z Ride seats. It takes less than 30 minutes to install a Monroe seat. You will need no special tools to make the installation.

FOR GREATER SAFETY BETTER HEALTH

Bumps, jolts and tractor vibrations are smoothed out to such an extent that driving a tractor equipped with Monroe E-Z Ride tractor seat is actually a comfortable job instead of the rough, fatiguing and often hazardous task that it is with the ordinary seat. Engineered and field tested under actual farming conditions.

MORE EFFICIENCY FOR GREATER PROFITS

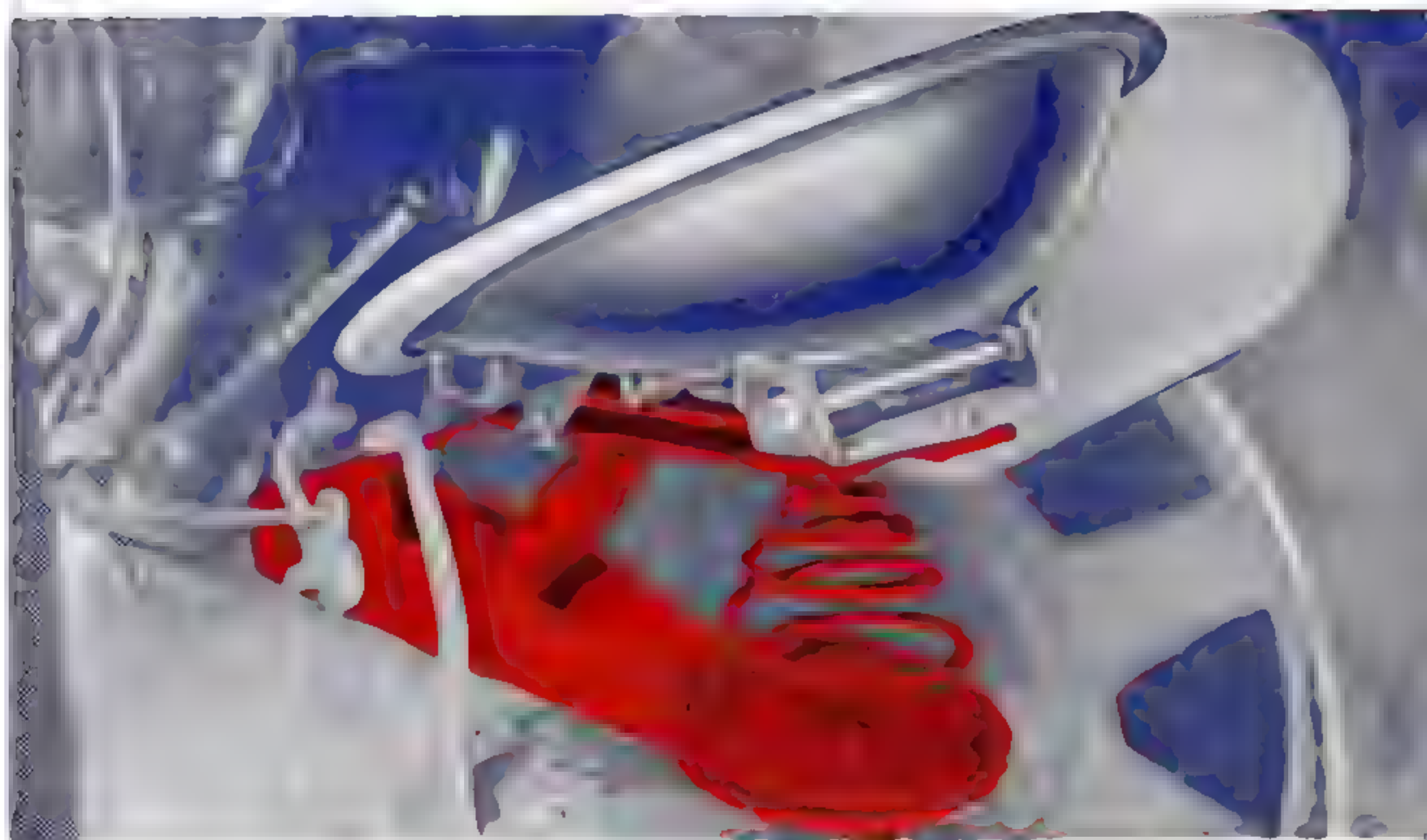
The work the tractor will do and the profits the tractor can produce depend largely on the efficiency of the driver. Field tests prove that an operator can drive a tractor 25% more hours without becoming exhausted when the tractor is equipped with a Monroe E-Z Ride Tractor Seat.



Seat No. 16033 as used on International Harvester Model H and M, John Deere A, B, G, and GM



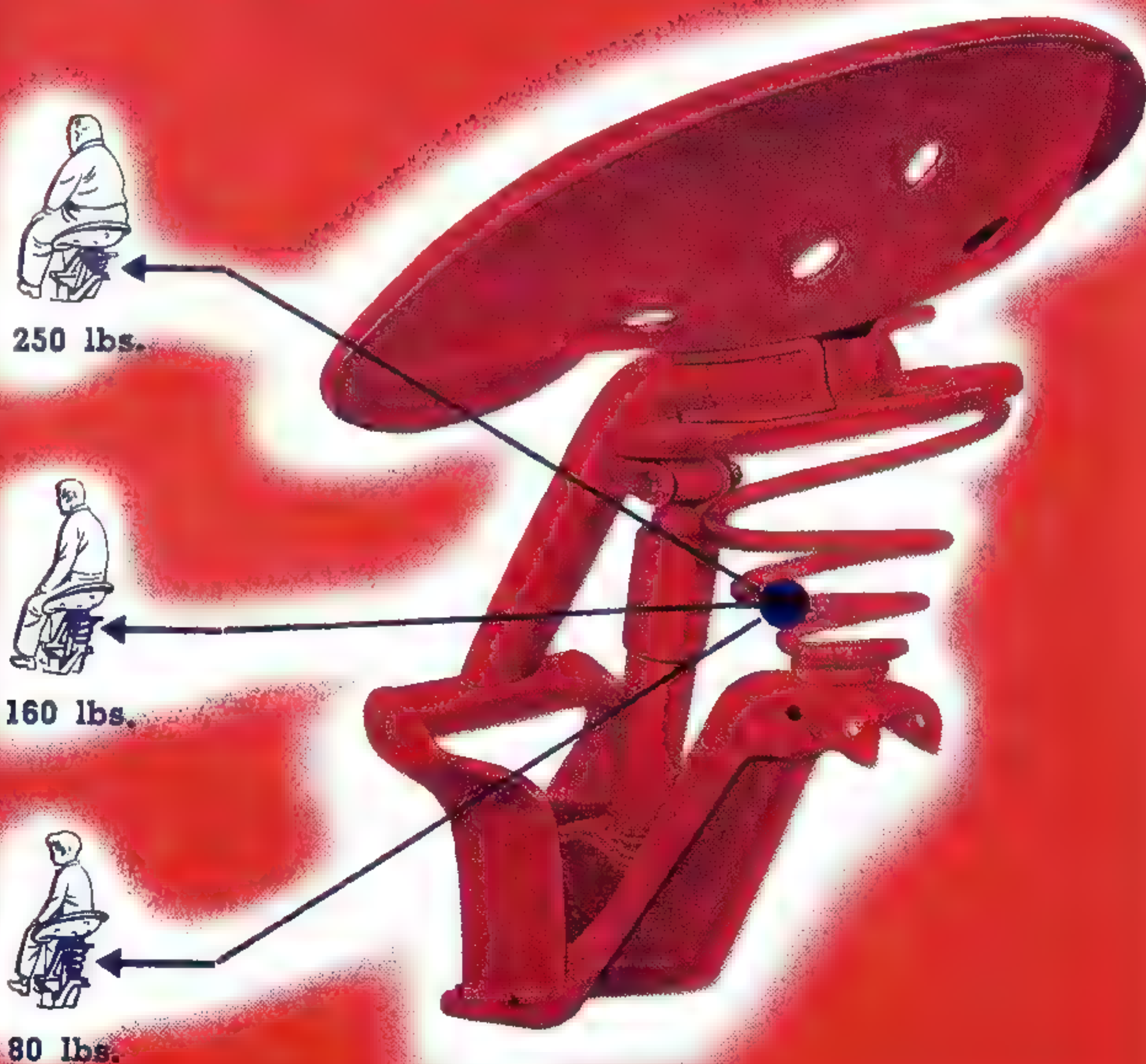
Seat No. 16043 fits Allis-Chalmers Model WD



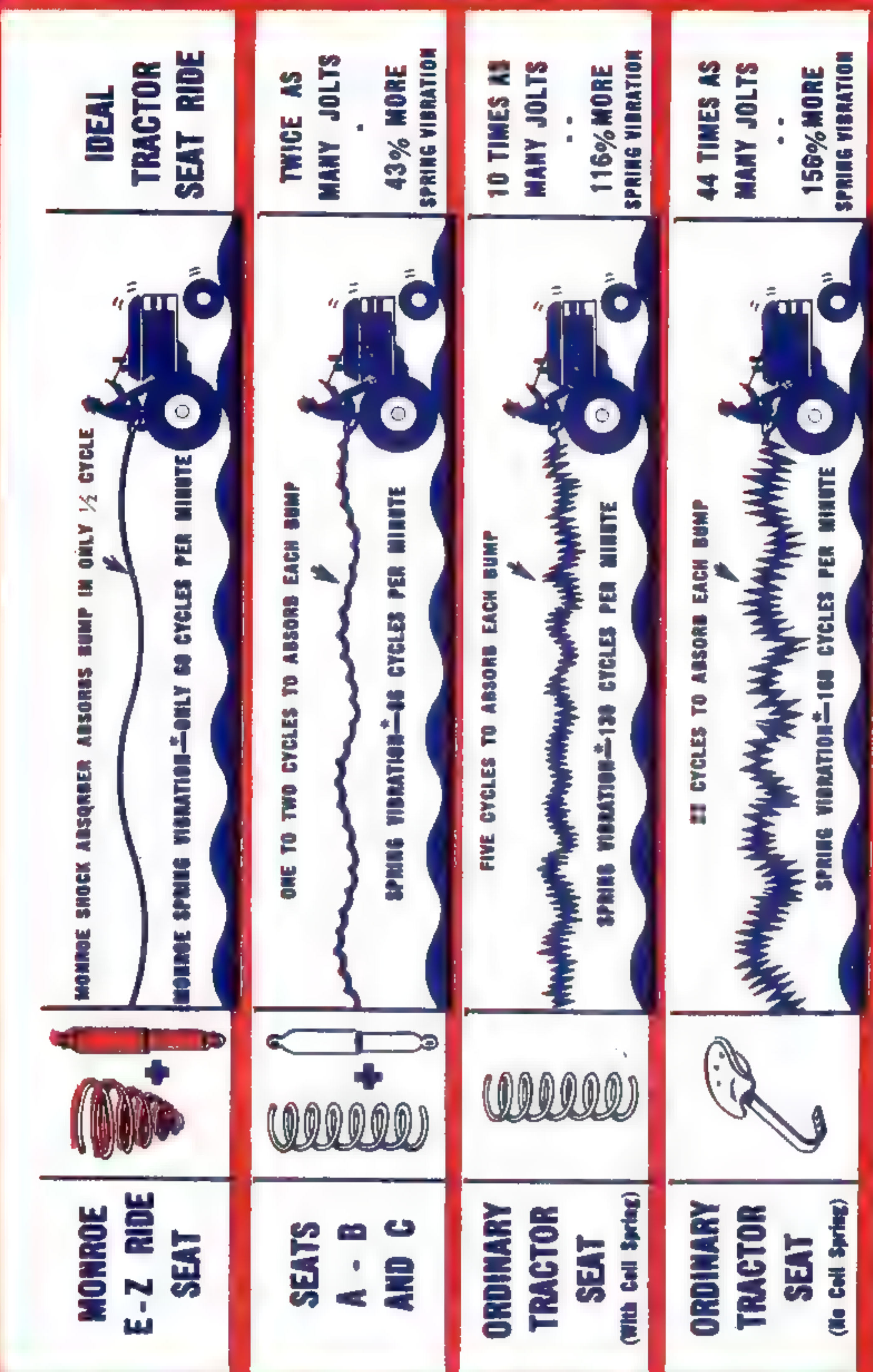
Seat No. 16045 fits Case Model SC and DC

Automatic Adjustment

With the Monroe Variable Rate Coil Spring adjustment is automatic for operators of different weights. Light, medium or heavy, they all get an equally comfortable and smooth ride. The resistance of the Monroe spring increases as the weight increases and the smaller coils come into operation. Tests show that a force of 650 lbs. is required to bottom the Variable Rate Spring.



THE BIG RUGGED SHOCK ABSORBER used on the Monroe E-Z Ride tractor seat is the double acting hydraulic type that cushions the rider both going down and coming up.



* Spring frequency with average load

The above chart illustrates the leveling action and the smooth ride obtained with the Monroe E-Z Ride tractor seat.

MONROE AUTO EQUIPMENT CO., MONROE MICH.

DISTRIBUTED BY

LOEGLER AND LADD

98-106 Terrace

Buffalo 2, New York

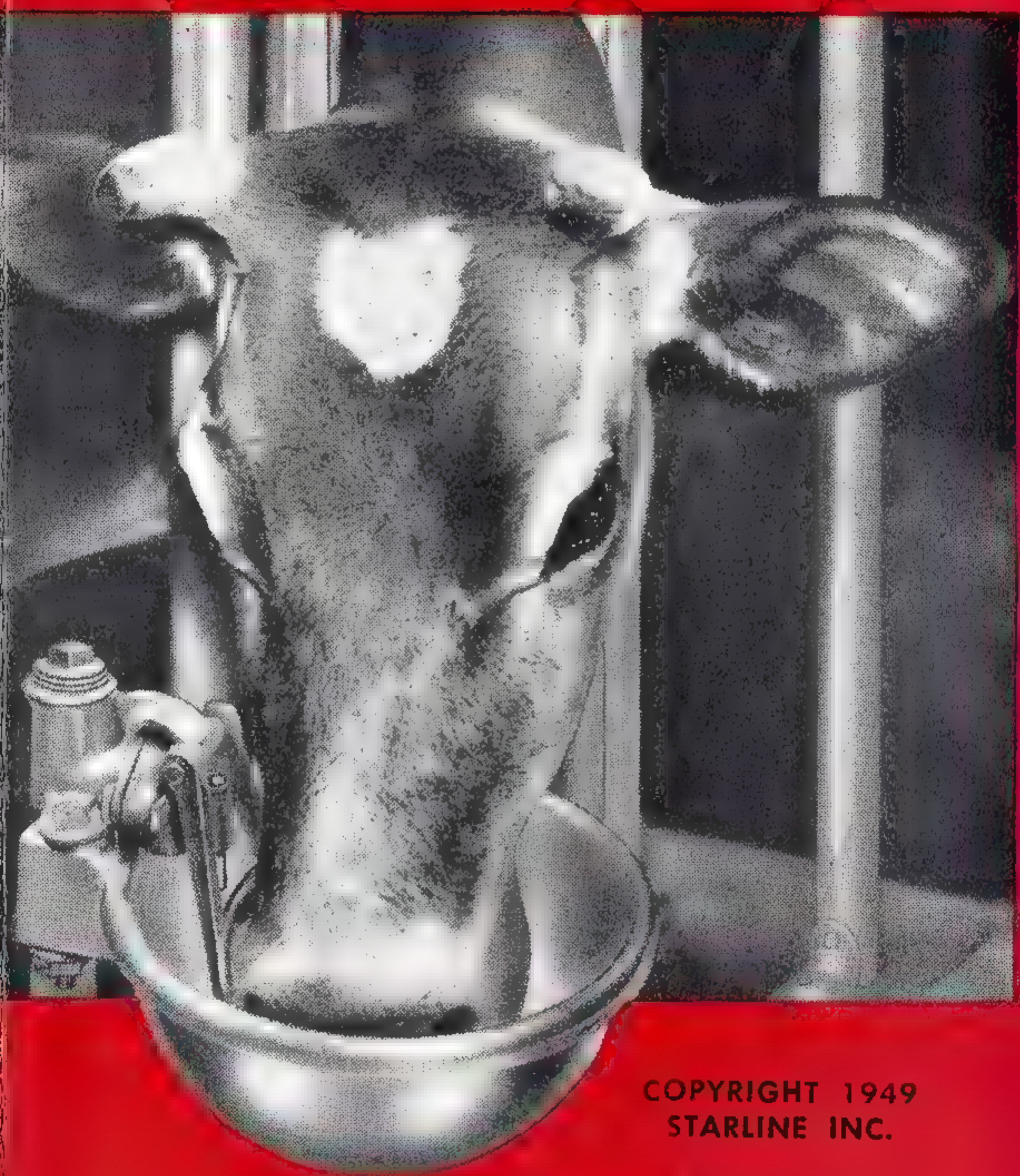
"Our 75th Anniversary— 1875-1950"

Form No. 1021

Printed in U.S.A.



WATER BOWLS



COPYRIGHT 1949
STARLINE INC.

Manufactured by

STARLINE INC.

HARVARD, ILLINOIS

EASTERN BRANCH

ALBANY, NEW YORK

NO. 240 STARLINE WATER BOWL

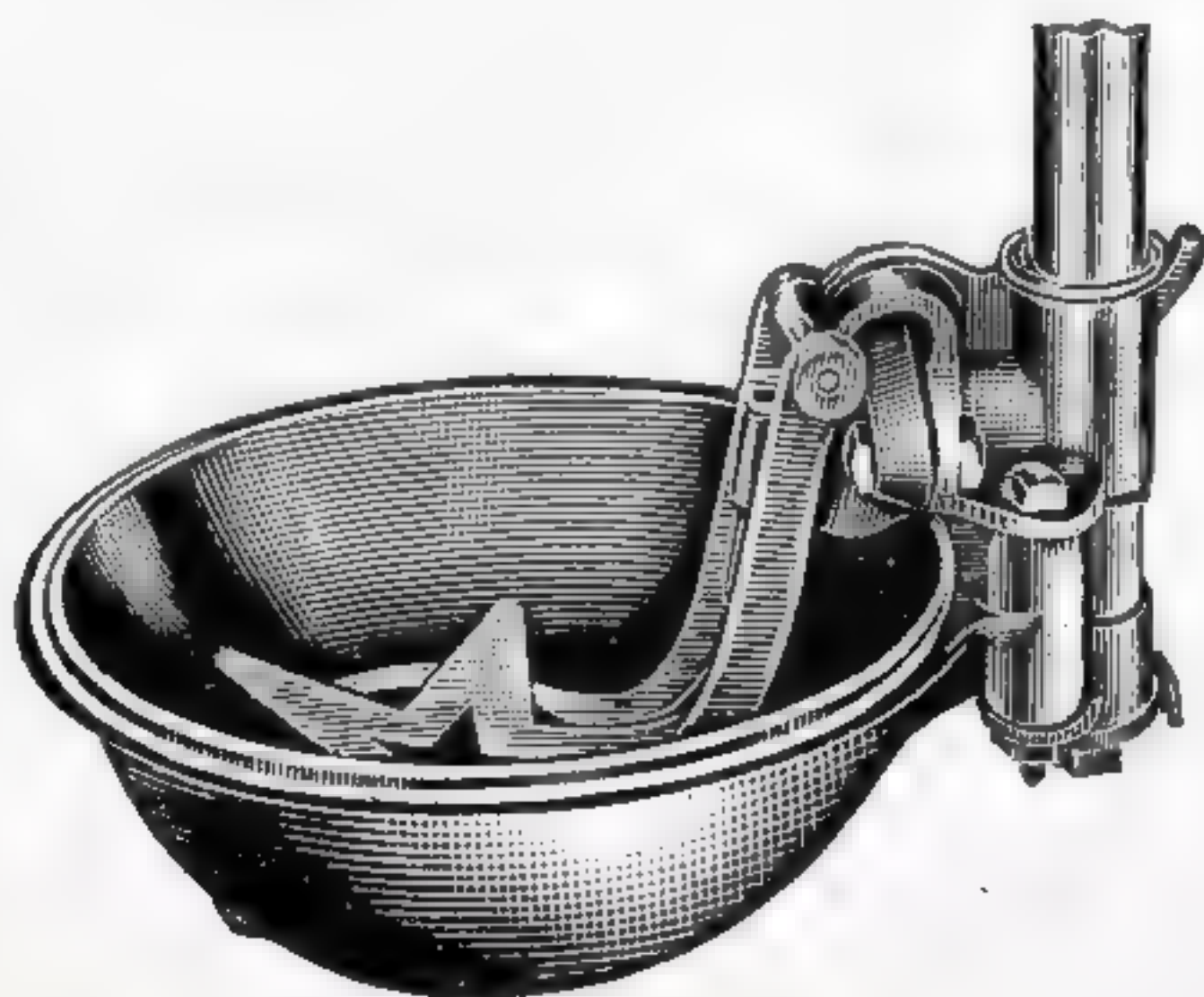
With Cast Iron Bowl Part and Pendulum Paddle

The No. 240 Bowl has a heavy cast iron bowl part, a malleable iron valve housing with all brass inside parts and a stainless steel flow regulator in the center of the valve cap.

There are no working parts inside the bowl except the bowl paddle. This lifts clear out of the bowl for cleaning.

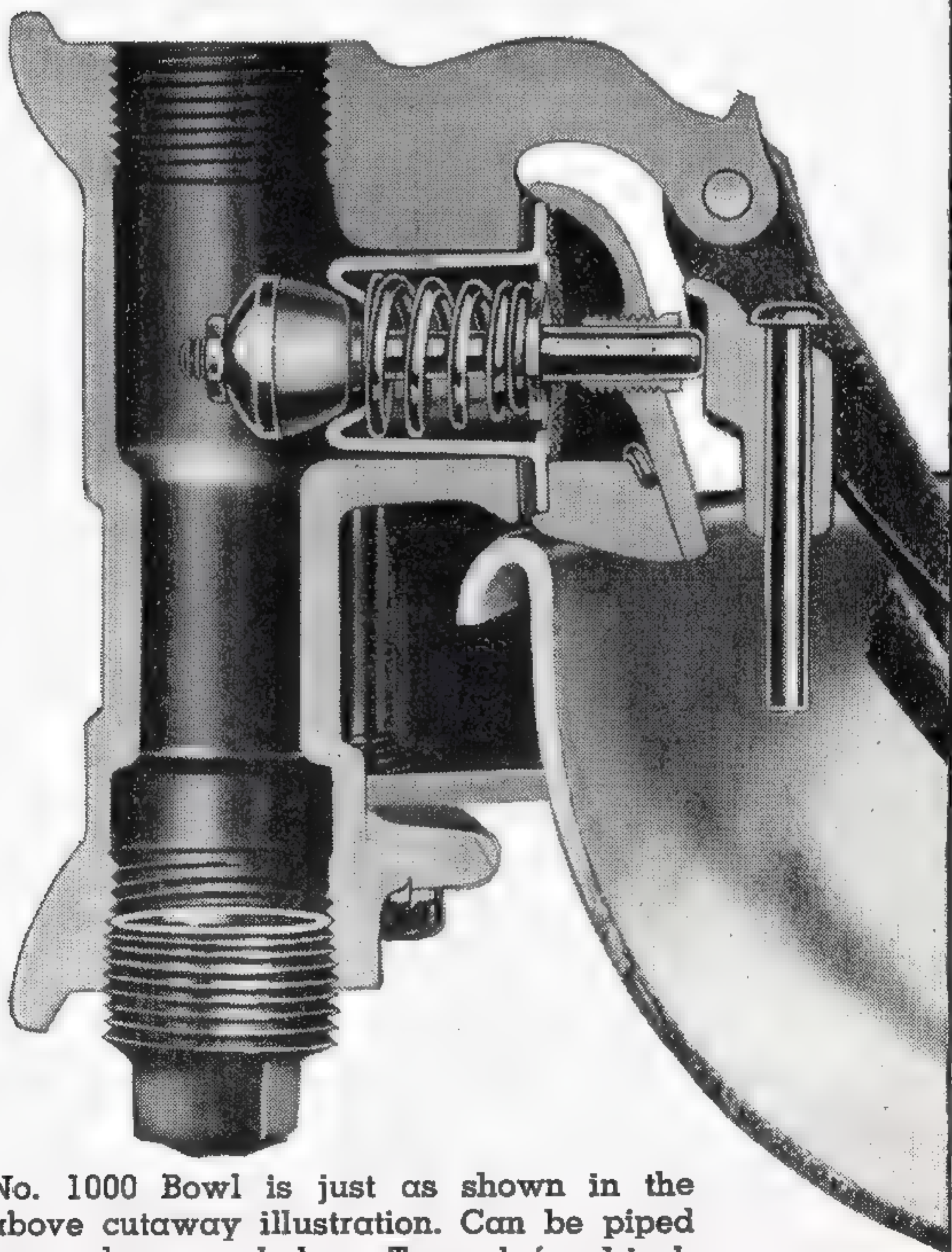
Clamps are provided with the bowl, which fit any standard make of steel equipment. The same clamps can be used to fasten the bowl to wood stalls.

Valve is tapped for 1-in. pipe, which will bring the water as fast as any cow can drink it. Bowl rests against supporting posts at two points so it cannot be worked loose. Weight each, 13 lbs. Can be furnished for $\frac{3}{4}$ -in. pipe. Be sure to specify.



STARLINE WATER BOWLS

A Starline Water Bowl gives the cow a fresh drink whenever she wants it, with her meals or any other time, day or night. It makes the cow drink more water, handle more feed and give from ten to thirty percent more milk. The valve opens and water flows into the bowl as the cow rests her chin on the valve lever. It snaps shut when she stops drinking. Simple valve; all brass; can't rust, corrode or clog. Round, smooth, steel bowl with no corners, lugs or



No. 1000 Bowl is just as shown in the above cutaway illustration. Can be piped from above or below. Tapped for 1-inch pipe. Furnished for $\frac{3}{4}$ -inch pipe when so specified.

PUT MORE MILK IN THE PAIL

crevices where dirt might collect or feed gather and sour. Bowl held by two heavy bolts. Can't be broken, bent, dented or worked loose. Working parts all outside of bowl; allows more room for cow to drink. Easier to get at the parts and easier to clean the bowl. Valve lever lifts clear up out of the way so bowl can be cleaned without taking it off.

Flow Regulator on Each Bowl

A stainless steel bushing in center of valve cap surrounds the brass valve stem. It can be screwed in or out to limit the swing of the valve lever, so that the flow of water can be regulated to the needs of the cow.

Valve spring is so designed that fuller ball moves straight back and seats perfectly when valve closes. Starline bowls are built with greatest care and precision, which means long life, easy operation and perfect satisfaction.



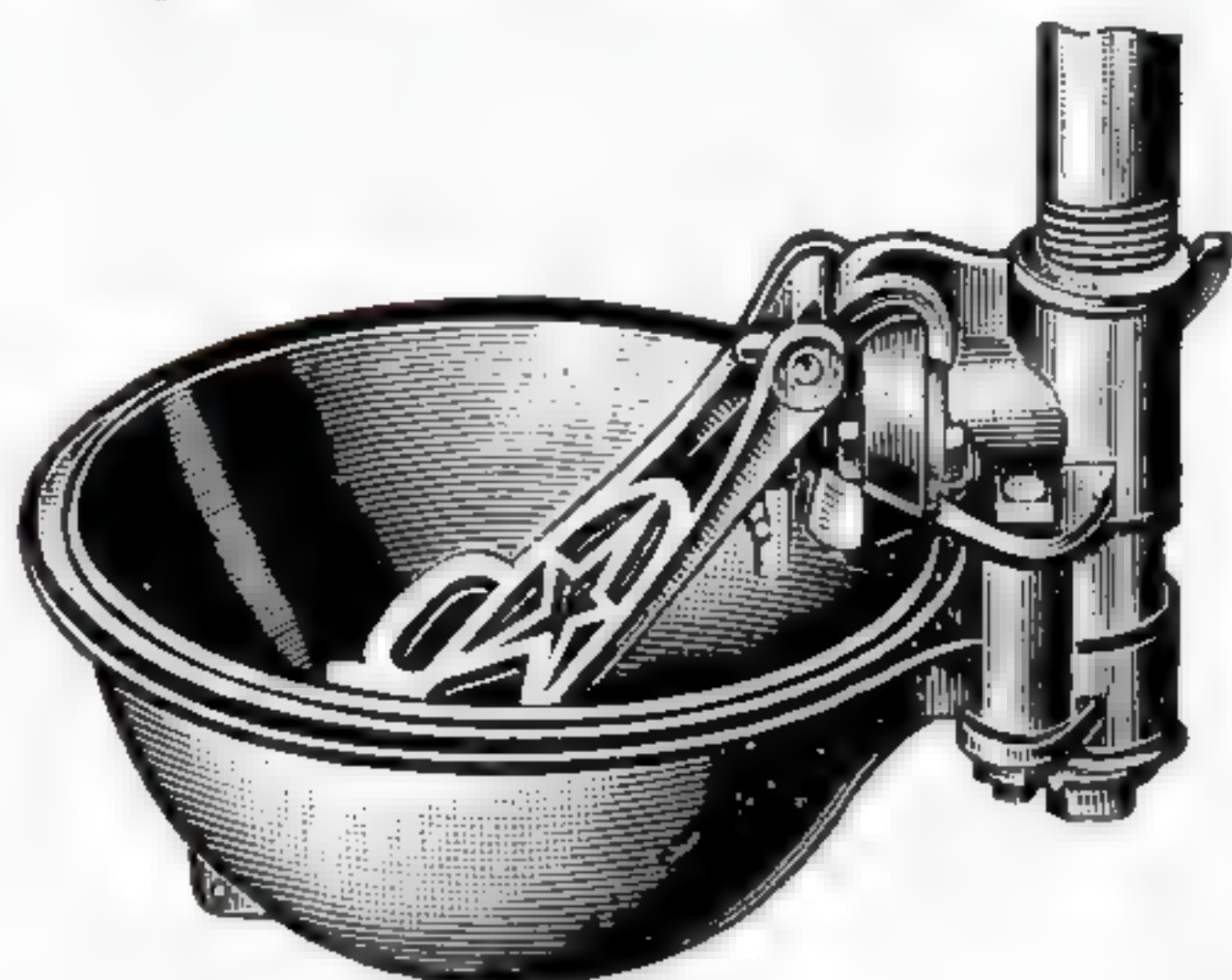
No. 235 With Slanting Valve Lever

Easiest to Install

Easiest to Clean

Easiest for Cows to Work

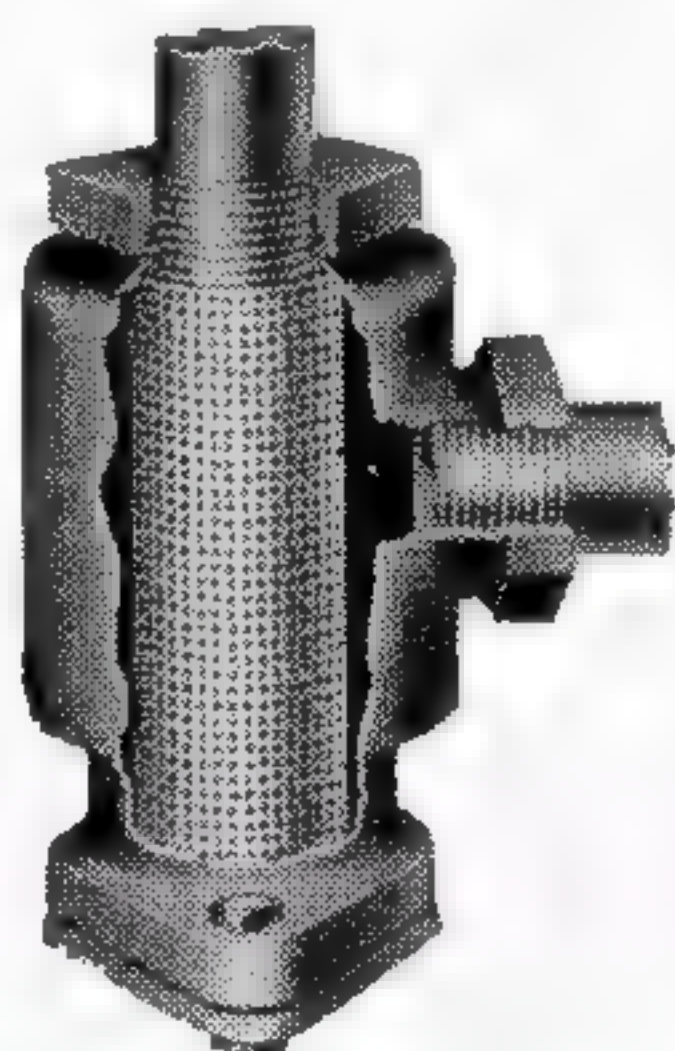
Piped From Above or Below



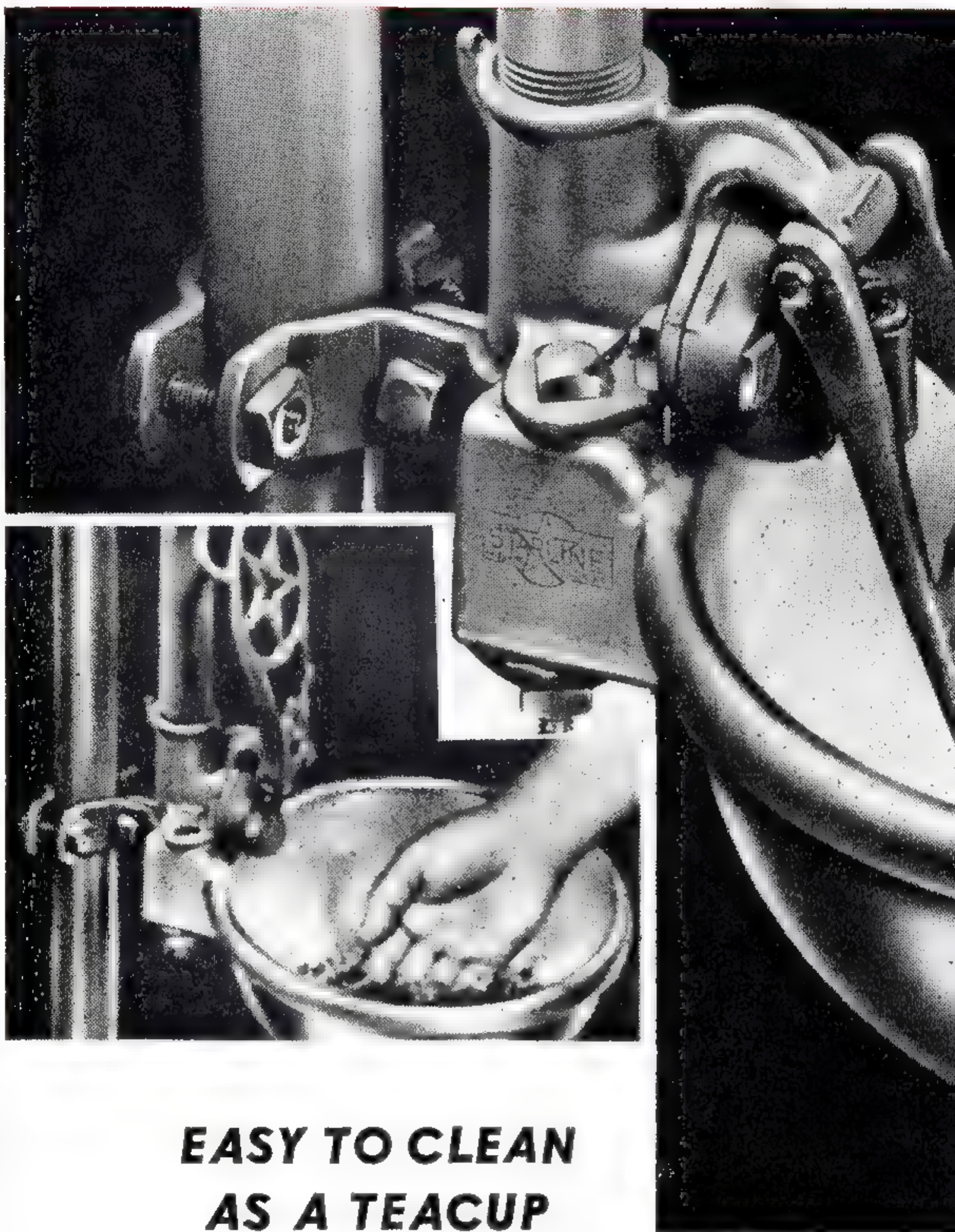
Furnished for $\frac{3}{4}$ -inch pipe when so specified. This bowl is just like the No. 240 bowl shown in opposite corner except that the valve paddle or lever slants into the bowl.

No. 877 Strainer

All the water enters and passes out through the pores of a heavy brass strainer $1\frac{3}{4}$ in. thick, 6 in. long with about thirty-five square inches of straining surface. Strainer easily removed for cleaning by taking out two bolts at the bottom. When the strainer is removed all the dirt comes out with it. Threaded for 1-in pipe. Weight 5 lbs.



PATENTED



EASY TO CLEAN AS A TEACUP

WORKING PARTS ALL OUTSIDE

The slanting valve lever which opens the valve when the cow rests her chin on it lifts clear up as shown above. There are no corners or other places where dirt and slime can accumulate.

NO. 1000 STARLINE
ALL STEEL BOWL
Liquid Galvanized



LIQUID GALVANIZED FINISH

The No. 1000 All Steel Bowl has the bowl part made of 14 gauge steel. This is completely coated with the amazing new liquid galvanizing that protects the steel from corrosion.



LET COWS DRINK WHERE THEY EAT

With free access to Starline Water Bowls, Cows drink with meals, between meals or whenever they feel like it—even at night. They eat more; they give 10 to 30% more milk depending on how they were watered before.

LOEGLER & LADD

WHOLESALE DISTRIBUTORS

98-106 TERRACE

BUFFALO 2, NEW YORK

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Graylawn
U.S. PAT. OFF.
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PRODUCTS

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SURE · SAFE · ECONOMICAL

RESULTS

MANUFACTURED BY
GRAYLAWN FARMS INC., ORLEANS VT.





Graylawn Farm

Each and all of these products are scientifically prepared with Results being our chief concern. They are guaranteed to give satisfaction and must please you all of the time.

We have many testimonials in our files from

ALL GRAYLAWN PRODUCTS



Graylawn Farm Products

Experimental Stations, Institutions, leading livestock owners etc., but we are most interested in pleasing you. May we suggest that you give these products a trial. No doubt your dealer has them in stock but if not we shall be glad to serve you direct.

ALL PRODUCTS ARE GUARANTEED

FLY-LESS



A general purpose fly spray

Destroys Flies, Mosquitoes, Ants, Moths and many other household insects and their eggs. A spray to be used in Hospitals, Institutions, Homes, Milk Houses, Stables and other buildings as well as on cattle

and horses for killing and repelling stable and horn flies.

Packed in one gallon cans
and in 5, 30 and 55 gallon drums

FLY-LESS SPECIAL

Specifically prepared for destroying Roaches, Bed Bugs and many other hard shelled bugs.



Packed in
one gallon cans
and in 5, 30 and 55
gallon drums

FLY-SPRAY



For use on animals. Kills and repels stable and horn flies that annoy cattle, horses, etc. Not recommended for spraying ceilings, walls, etc., inside stables or other buildings due to oily base.

Packed in one gallon cans
and in 5, 30 and 55 gallon drums

KLEEN-I-CIDE



A 6% Chlorine solution. A very effective and economical germicide and insecticide.

Packed in quart bottles,
gallon jugs and
5 gallon carboys.

LOUSE-CHASE

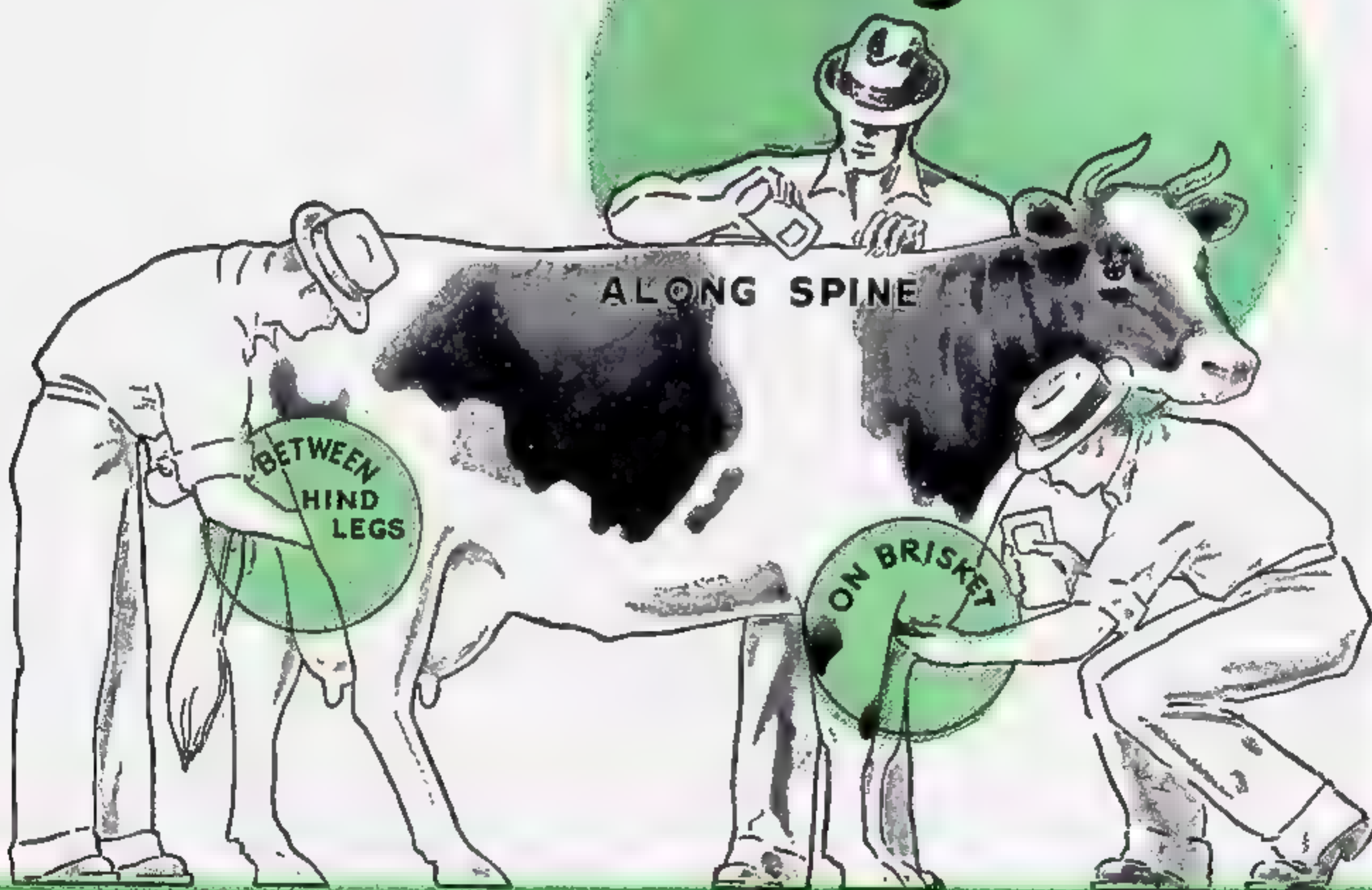


Two Sizes

22 oz. 1.00

9 oz. .50

APPLY IN
THESE 3 PLACES



LICE FREE COWS

ASE

Kills Lice On Cattle, Horses, Mules, Goats, Swine, Poultry and Sheep

Sure, Safe and Economical
and

So easy to apply.

For instance, as you will note from diagram at left, for cattle, it is necessary to apply in three places only—along spine, on brisket and between hind legs.

On other animals the applications are about as simple. Full directions are printed on cans and should be followed carefully.

There is absolutely no need for harboring lousy animals. Louse-Chase will clear animals of lice and very inexpensively, too.

Louse-Chase is backed by an unusual iron clad guarantee of "Money Back Plus 10% if Not Absolutely Satisfactory." You are the judge.

GIVE MORE MILK!

A Few Suggestions.

Use Louse-Chase whenever there is the least evidence of lice being present on any of your livestock. Animals free from lice do better, look better and are better.

Lice retard growth, lower production and general health of animals as well as cause extra expense for upkeep. You will do well to give these tiny pests your best attention at all times.

In spraying your animals for flies, be thorough. Remember that spraying only the hips and back gives no protection to front legs, shoulders or under belly. Use a good sprayer and be sure you hit all parts of body.

Kow-Kare, Bag Balm and Bag Balm Dilators manufactured by the Dairy Ass'n. Co. of Lyndonville, Vt., are products worthy of your consideration. We gladly recommend them for their uses to all dairymen.

We sell and guarantee

Graylawn Products

LOEGLER & LADD

Wholesale Distributors

BUFFALO 2, N. Y.

Phones WA 3166-3167

POULTRY COLD AND RESPIRATORY ILLS



Has the boss tried his new "secret weapon" on you yet —this HTH-15 powder in an ordinary dust gun? It knocked out my cold in no time at all!

You must be new around here! That's no secret weapon—poultrymen all over the country are using HTH-15 to fight colds and respiratory ills in both chicks and adult birds!



DUST WITH HTH-15



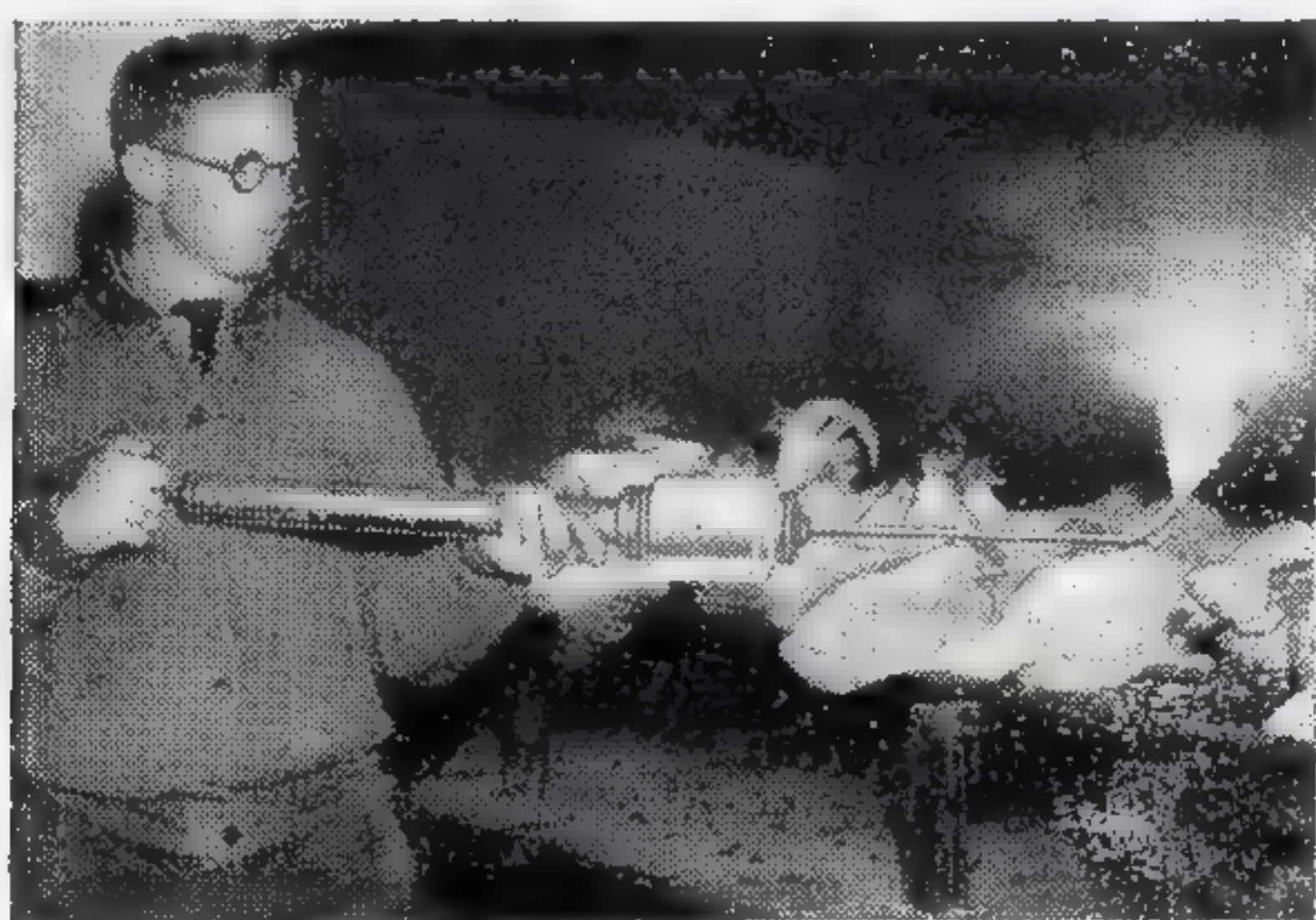
FOR COLDS AND

COLDS in poultry flocks are no less common than colds in human beings. Also they are probably as little generally understood. Respiratory ills cost the average poultryman large losses each year through lowered egg production and excessive mortality in chicks and growing birds.

Today, successful poultrymen take every precaution to avoid damp houses and litter because damp conditions contribute to the causes of colds and other respiratory ills. It is obvious that a dry type of treatment is desirable. Also, it is well established that chlorine possesses germicidal properties of essential usefulness in maintaining health.

DRY CHLORINE INHALANT TREATMENT

More than ten years ago, experiments at a large agricultural college disclosed the unusual



effectiveness of HTH-15 as a *dry* chlorine inhalant for treating respiratory ills in poultry. Previously, vapor sprays of chlorine solution had been tried with some success, but the *dampness* always tended to counteract the benefit of the

RESPIRATORY ILLS, D

chlorine so that birds got well slowly and their resistance to further attack was lowered.

Upon the development of H T H-15, however, there became available for dusting application the only powder containing just the right balance of chlorine in *dry* form — and the only chlorine powder fine enough to actually *float* in the air and give a *sustained* dry inhalant treatment to a large number of birds at very low cost. By dusting with H T H-15 it thus became possible to obtain all the beneficial effects of the chlorine without the disadvantages of moist vapor sprays.

WHY H T H-15 FOR DUSTING?

Good results in poultry dusting call for the use of (1) a very fine powder, like H T H-15, which floats in the air of the poultry house for a long period, and (2) a powder of moderate chlorine strength, like H T H-15, which is safe and economical to apply whenever dusting treatment is indicated. Unless the powder used is extremely fine, it tends to settle too quickly to allow time for *sustained* and effective treatment of the birds; and if the chlorine strength of the powder is too high, the cost of dusting is greatly increased.

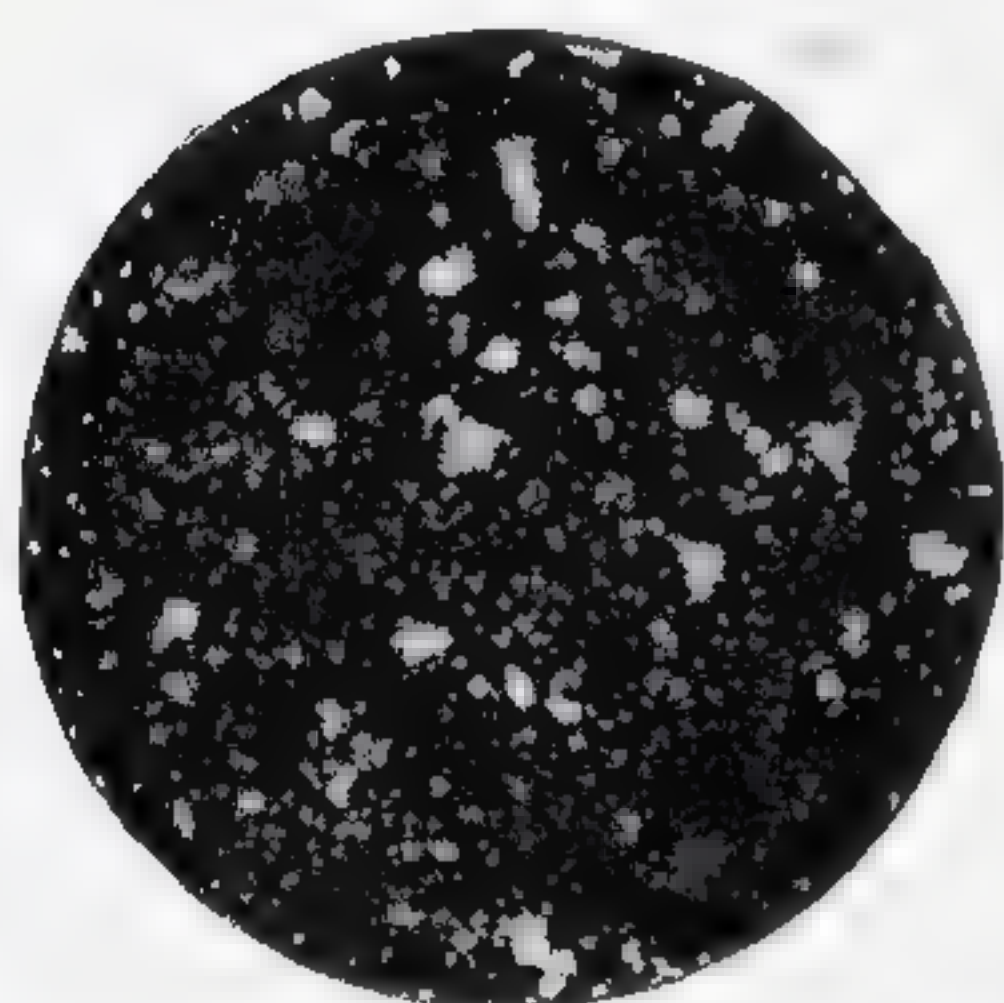
Under the microscope (see photomicrograph), H T H-15 shows up as an extremely fine, uniform, flour-like powder. That is why the particles of H T H-15 actually float in the air for a long time, gradually settling over the birds on the roost — and why just a little H T H-15 does an effective dusting job.

The first chlorine powder used for poultry dusting, H T H-15 “floating powder” is still first in effectiveness and first in economy of use.

DUST WITH HTH-15

HOW TO APPLY HTH-15 DUSTING TREATMENT

Adult Birds. Fill an ordinary dust gun with HTH-15 powder, and, when the birds have gone to roost, dust it into the air just above the heads



Photomicrograph of H T H-15
magnified to 13 diameters

of the birds until they are sneezing freely and until the air in the house is full of the floating particles. Then keep the house closed for about two hours. Along with the above dusting, scatter HTH-15 powder on dropping boards and in the litter; treat all drinking water with HTH-15.

Because the birds, particularly those in various stages of catarrhal infection, respond to the HTH-15 dust to a different degree, the person doing the dusting must judge from its effect just how liberal and frequent this treatment should be. Ordinarily, one good dusting as outlined previously can be followed by light dustings (without closing up the houses) until the birds are relieved and there is no further discharge from nostrils or eyes.

Baby Chicks. HTH-15 is also well adapted for use with baby chicks. For treatment of respiratory ills, dust HTH-15 lightly under the brooder or about 18 inches above the chicks,

using an ordinary dust gun. Treat all drinking water with HTH-15.

KEEP DRINKING WATER SAFE

Authorities agree that drinking water can be a greater carrier of disease than air or soil. It is not enough that drinking water be pure when placed in waterers; it must be *kept safe* under continuous exposure to contamination from a variety of sources. This is possible by the use of chlorine in sufficient amount to keep the drinking water safe until consumed.

Chlorine protects water — nearly all public water supplies have chlorine added to safeguard human health. HTH-15, which contains chlorine, should be added to all poultry drinking water, both for baby chicks and adult birds, to help protect against transmission of disease germs from one bird to another. Add 1 tablespoon measure, level full of HTH-15, to each 10 gallons of drinking water.

Drinking fountains and troughs should be kept clean and free from slime. Scrub daily with a solution made by adding 1 tablespoon measure, level full of HTH-15, to 3 gallons of water. The regular use of HTH-15 in the drinking water, as recommended above, helps prevent formation of slime.

GENERAL SANITATION

Clean houses, floors and other surfaces with which birds come in contact, then scrub or spray

with an HTH-15 solution made by adding 1 tablespoon measure, level full of HTH-15, to each gallon of water. (For spraying HTH-15 solutions, any standard spray gun may be used. After use, empty sprayer, rinse all parts with water and drain.) After houses are again in use, scatter HTH-15 powder in the litter.

HOW HTH-15 IS PACKED

HTH-15 comes in handy 1-lb. and 3-lb. bottles with replaceable screw caps. (The 3-lb. bottle has standard mason jar opening.) Full directions for the use of this effective, time-tested chlorine product in poultry raising, as well as for other farm and home uses, accompany each package.

The MATHIESON ALKALI WORKS (Inc.)
60 East 42nd Street New York 17, N. Y.

Pioneer Manufacturers of Chlorine Products
For Nearly Fifty Years

LOEGLER & LADD

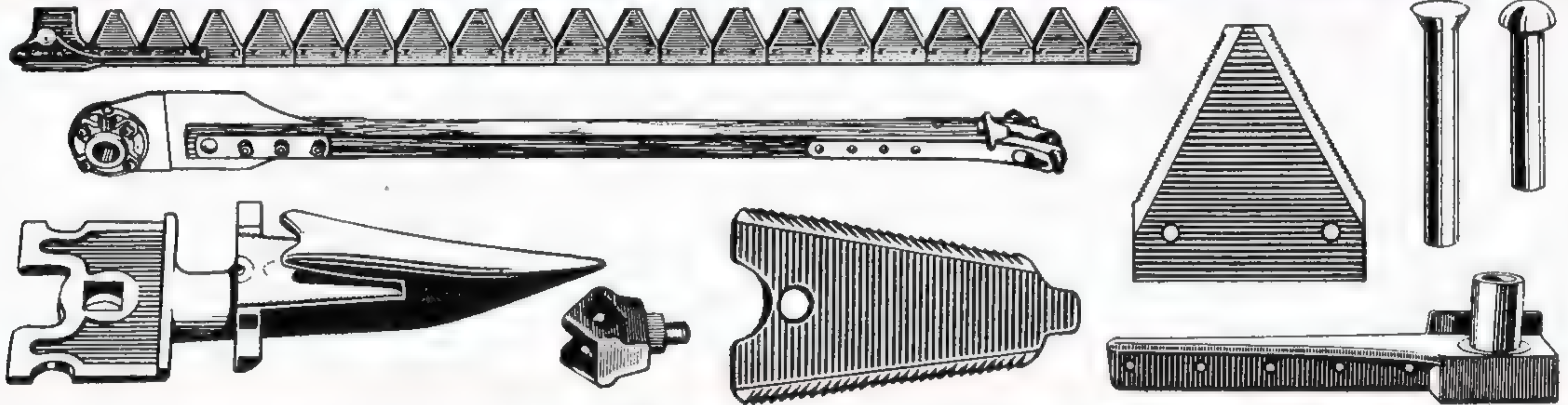
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BUFFALO, N. Y.

CUTTING EXTRAS *and Repair Parts*

FULLY GUARANTEED AS TO QUALITY, FIT, AND FINISH

A COMPLETE LINE FOR MOST MAKES OF MOWERS, HARVESTERS, COMBINES, AND HARROWS



Manufactured by ILLINOIS IRON & BOLT COMPANY, Carpentersville, Illinois, U.S.A.

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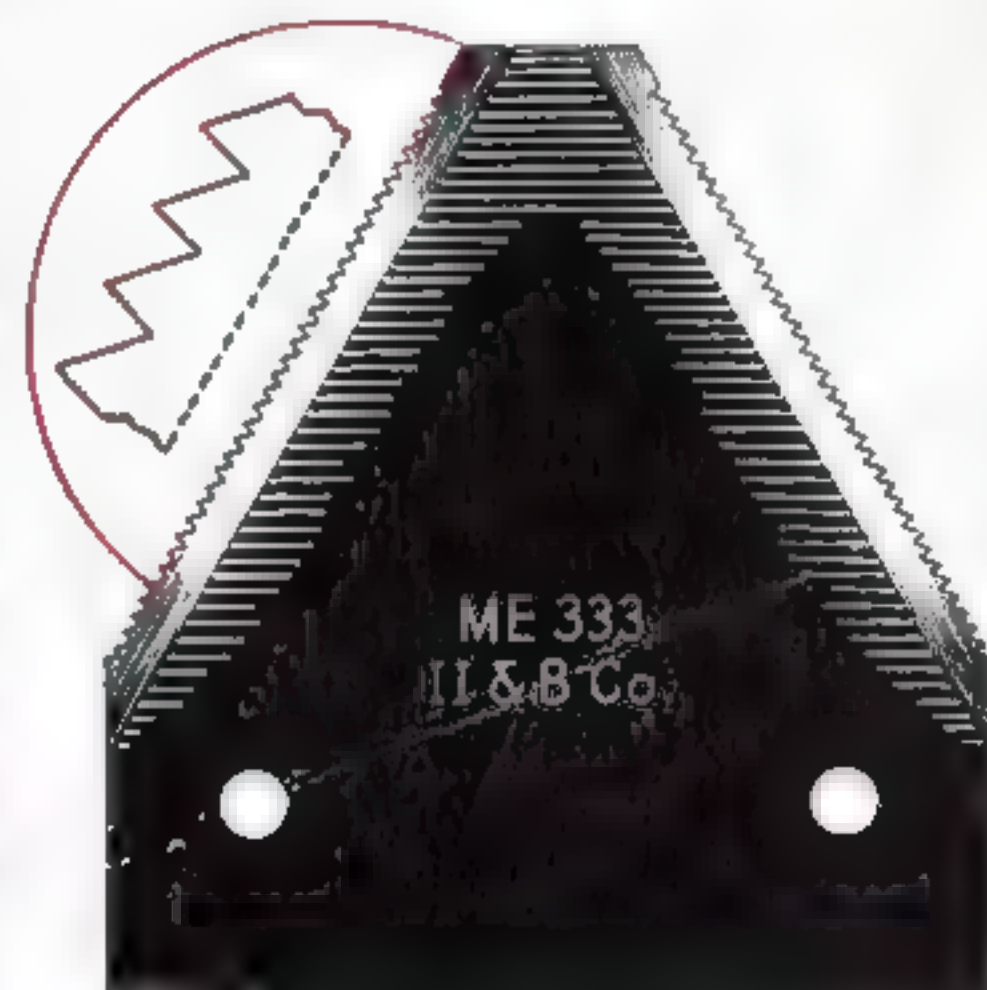
PHONES WA 3166 - 3167

For dependable service in the field, you will prefer I. I. & B.
UNDERSERRATED KNIVES FOR MOWERS



**... EQUIPPED WITH UNDERSERRATED SECTIONS
MADE UNDER OUR EXCLUSIVE, PATENTED PROCESS!**

● Knives with underserrated sections have proved their greater efficiency in cutting lespedeza, alfalfa, and similar crops. The outstanding advantage of these sections — as compared to sections serrated on the beveled cutting edges — is that **resharpening actually renews the teeth** instead of producing a smooth cutting edge. I. I. & B. Co. sections give you additional advantages, too, due to our exclusive process patent whereby the edges to be underserrated are offset (or depressed). This makes it possible to grind the face to a highly polished, absolutely level surface without grinding away the serrations. Furthermore — because of these offset edges — the serrations are made uniform in length and of the same depth throughout. I. I. & B. sections are manufactured from high carbon-manganese steel, and specially heat-treated to attain proper hardness for maximum cutting effectiveness. Let us prove their superior quality to you . . .



Manufactured by ILLINOIS IRON & BOLT CO., Carpentersville, Ill., U.S.A.

they're
built right



CELINA



Tube Top

Stock Tanks



THE CELINA MFG. CO.

Celina, Ohio

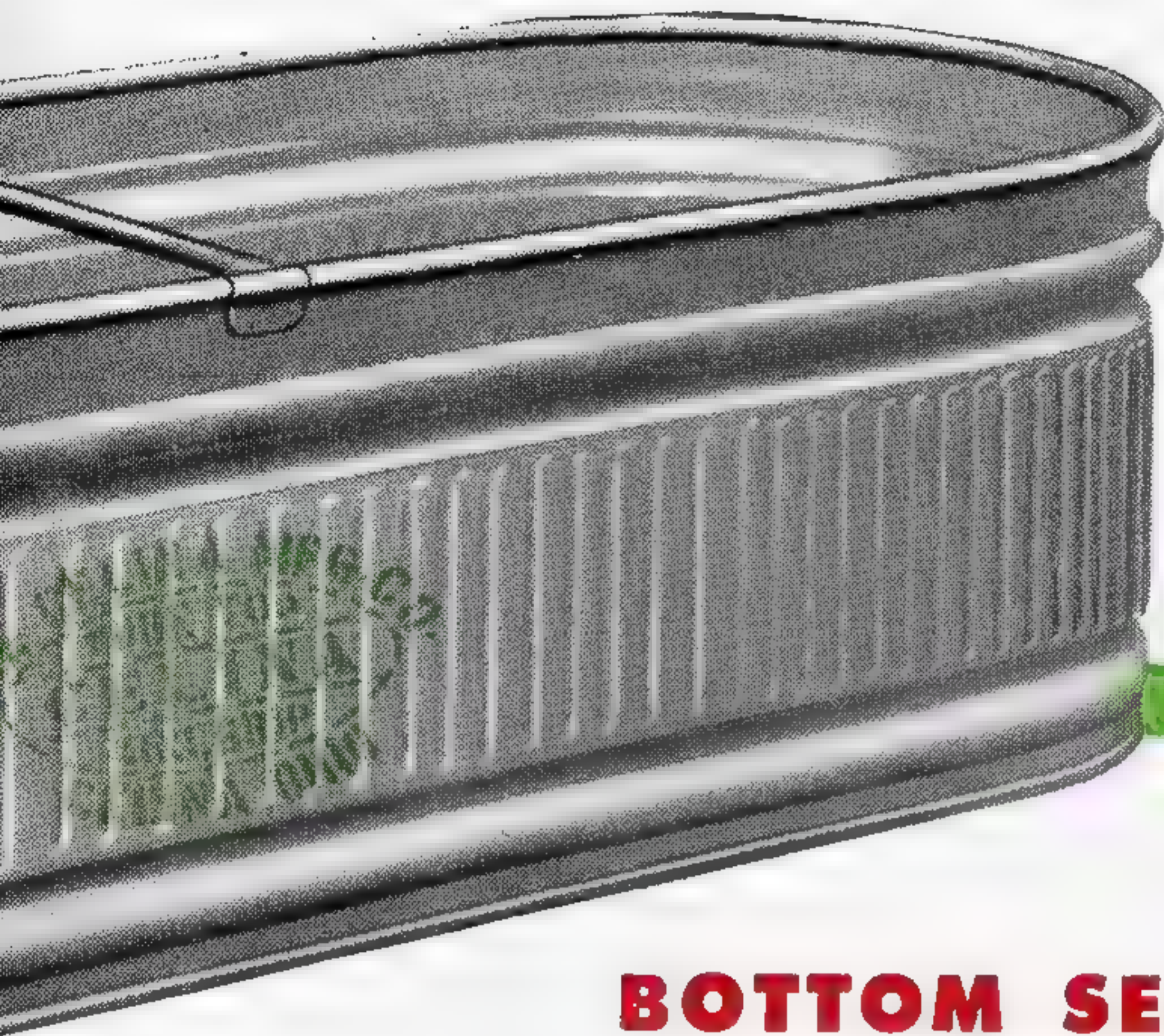
STURDY TUBE TOP



Long Lasting, Convenient

Requiring no special assembly or preparation, ready for instant use anywhere. They can be easily located to suit your own stock watering needs. In case of freezing or other causes, they are easily repaired when necessary. Engineered for permanency and construction, CELINA Tube Top Tanks are tanks made of other materials, including fixed tanks will also give longer service than tanks made of

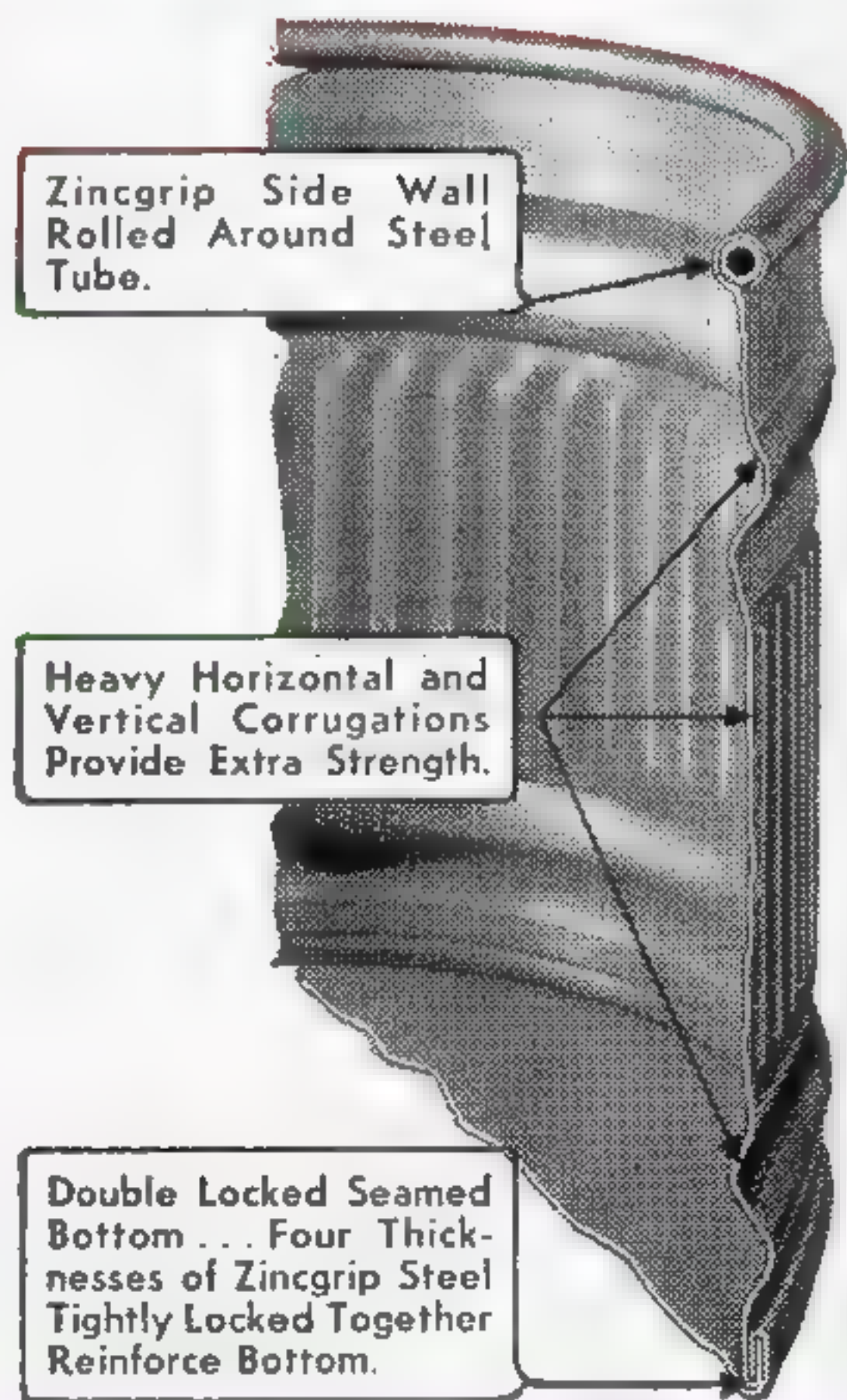
Your best buy for



BOTTOM SEAM DOUBLE LOCKED

Economical

these tanks are always easily moved about and Not easily damaged by fire, should this ever be in materials, design actually cost less than field-location tanks. They of ordinary sheet steel.

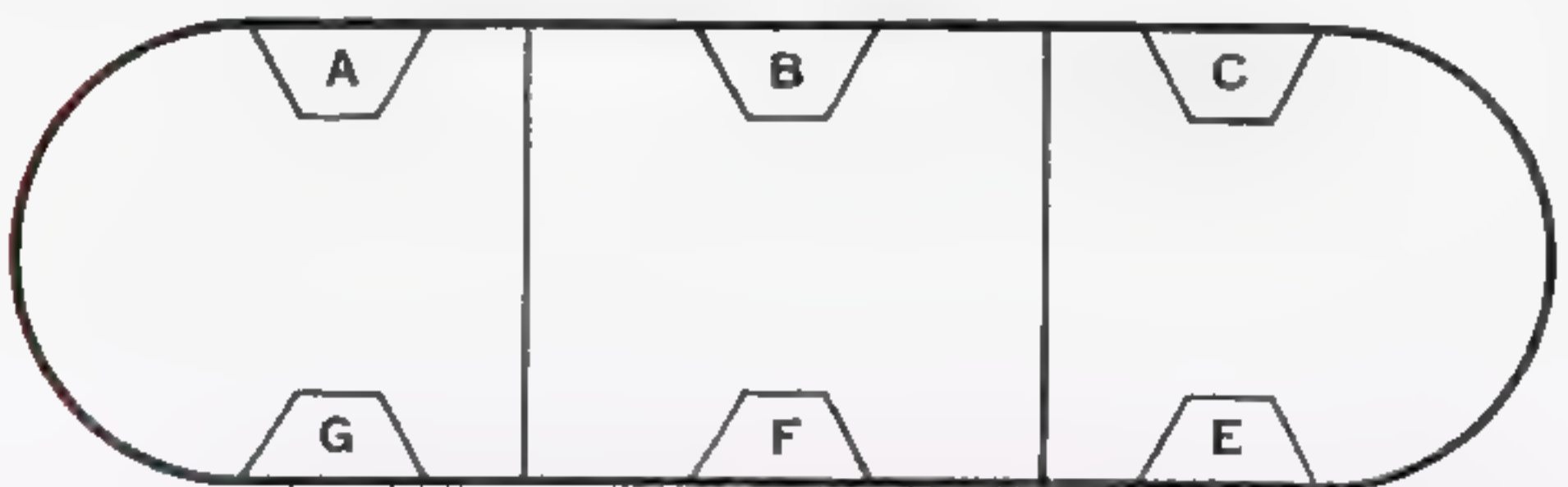


r Every Farm Use

CELINA Autom



The attachment here pictured affords convenient means for watering hogs, sheep and poultry. Any round end tank which is 2 ft. in height can be equipped with one or more waterers of this kind in the locations shown on diagram below.



Your best buy for

atic Stock Tank

Hog Waterer

Hog Waterer is made of 20 gauge ZINCGRIP steel, with lower edge reinforced by extra heavy gauge ZINCGRIP to prevent wear. Equipped with adjustable automatic float valve so that depth of water in drinking compartment can be controlled as desired. Brass wire screen in tank, removable for cleaning, prevents dirt from reaching or clogging valve. A dependable method of supplying water to small animals.

simple
convenient
reliable

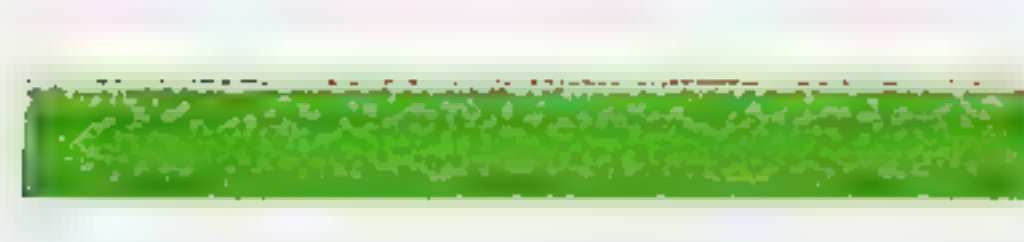
Indicate location wanted by specifying symbol letter used on diagram. If no location is specified, Waterer will be placed in location "A". If tank is to be equipped with two or more Waterers, it is important that locations be specified with order.



r Every Farm Use

Your best buy for

CELINA *round*

 **STOCK**

*More Years of Service
for Your Tank Dollars*

The lasting quality of CELINA Tube Top Tanks starts with the 20 gauge ZINCGRIP Steel of which they are made. This material is an ARMCO product — strong, more dense, with a heavier, more uniform protective zinc coating that adheres with great tenacity to the base metal *and remains unbroken after forming and fabrication.* Durability is thus greatly increased through the absence of uncoated spots which invite early corrosion. The non-porous surface is sanitary and easy to keep clean.

The smooth top construction, with side wall rolled entirely around a reinforcing steel tube, provides extra strength and protection against damage by crowding cattle. A special combination of vertical and horizontal corrugations stiffens the sides, providing extra

r Every Farm Use

end TUBE TOP

TANKS

protection against damage from freezing and other causes. Side seams are double riveted. Bottom seam (see illustration on previous page) is double locked. All seams are heavily soldered to make them water tight and give additional protection against rust.

With their extra strength, unusual durability and thoroughly practical design, CELINA Tube Top Tanks offer the best tank value that money can buy. Available in 3 heights or depths, 1 ft., 1½ ft. and 2 ft. Tanks 1 ft. high are generally used for watering sheep. Tanks 1½ ft. high where there is need for a medium depth tank. Tanks 2 ft. high are standard for general farm use.

Tanks 1 ft. and 1½ ft. deep are available in a 2 ft. width only and in 4, 6 and 8 ft. lengths. Tanks 2 ft. high are available in 2 ft., 2½ ft. 3 ft. and 4 ft. widths and in lengths from 4 ft. to 16 ft. depending on width of tank.

Our Products Include . . .

Hog Watering Fountains

(Including Syphon and Float Valve
Types for Stock Watering Tanks.)

Self Feeders for Hogs

Watering and Feeding Troughs

Steel Feeding Pans

Steel Tanks of all kinds for the farm

Stock Tank Heaters

Steel Septic Tanks

Folding Steel Wash Benches

Portable Laundry Tubs (with drain)

Fuel Oil Tanks



SOLD BY

LOEGLER & LADD

WHOLESALE DISTRIBUTORS

BUFFALO 2, N. Y.

PHONES WA 3166 - 3167

MODEL 710

NO. 640

WHEELS-HANDY CART

NO. 650 660 760

WAGONS • WHEELS

ELECTRIC

WAGON BOXES

LOEGLER & LADD
98-106 TERRACE
BUFFALO 2, N. Y.

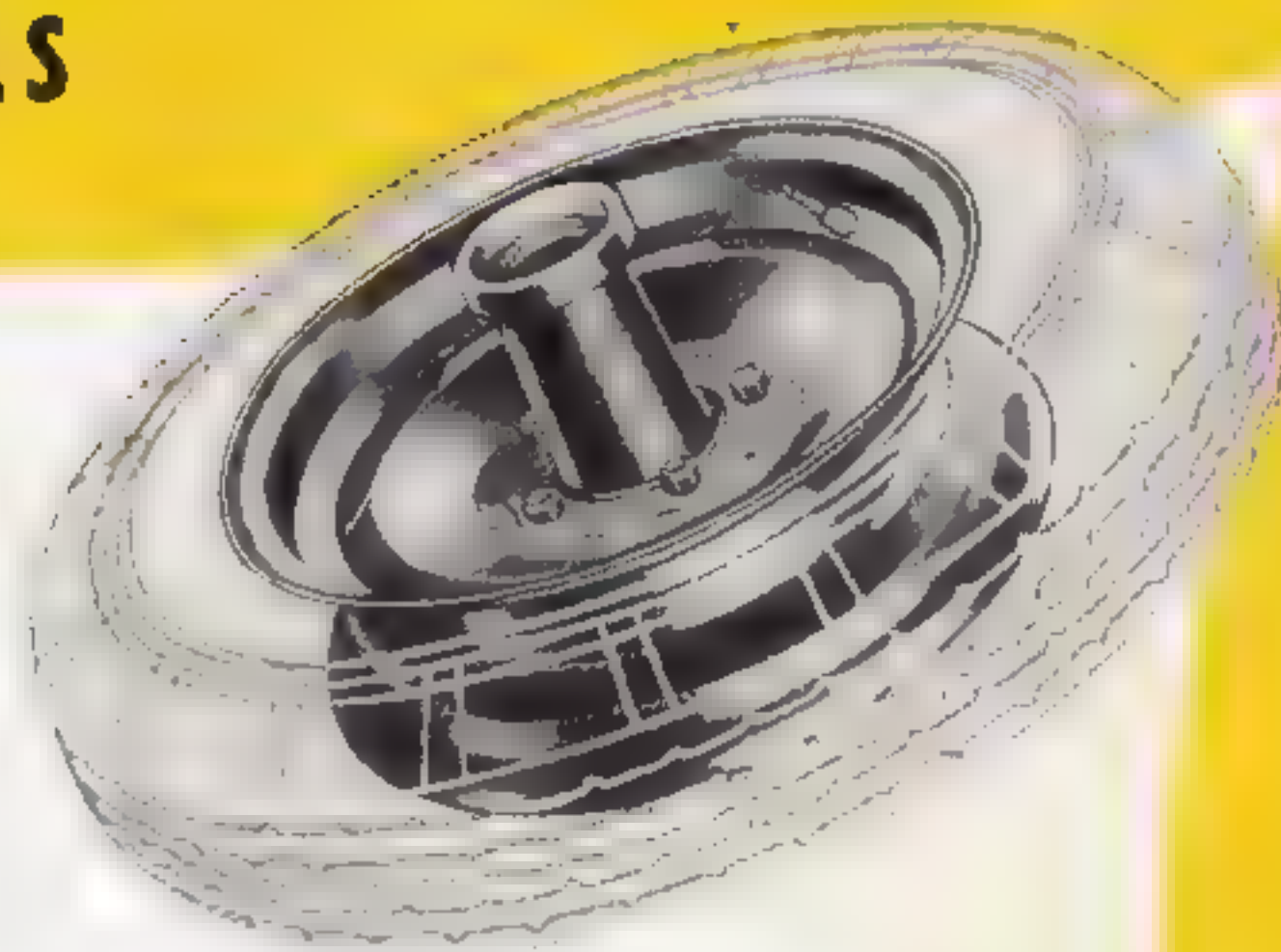
ELECTRIC WHEEL CO • QUINCY, ILLINOIS • U.S.A

WHEELS-HANDY CART

NO. 650 660 760

CONVERSION WHEELS

Convert your old skein type wood or steel wheeled farm wagon to a rubber tired wagon. This disc wheel with DC rim is demountable at the hub. The pilot hole in the wheel is extra large and will accommodate a wide range of hub barrel sizes. Available with hubs to fit skeins $2\frac{1}{2} \times 8$ " to $3\frac{1}{2} \times 11$ ". 16x4.00 DC rim will accommodate tire sizes 5.50, 6.00 and 6.50x16.



NO. 16 HANDY CART



A sturdily constructed cart that will save time and labor in doing many chores around the farm, home or factory. Will carry four ten gallon milk cans or can be converted to box cart by addition of accessory boxes. Disc wheels assure easy rolling with capacity loads on any surface.

Platform 32" x 27" with steel handlebars and 1" formed steel axle.

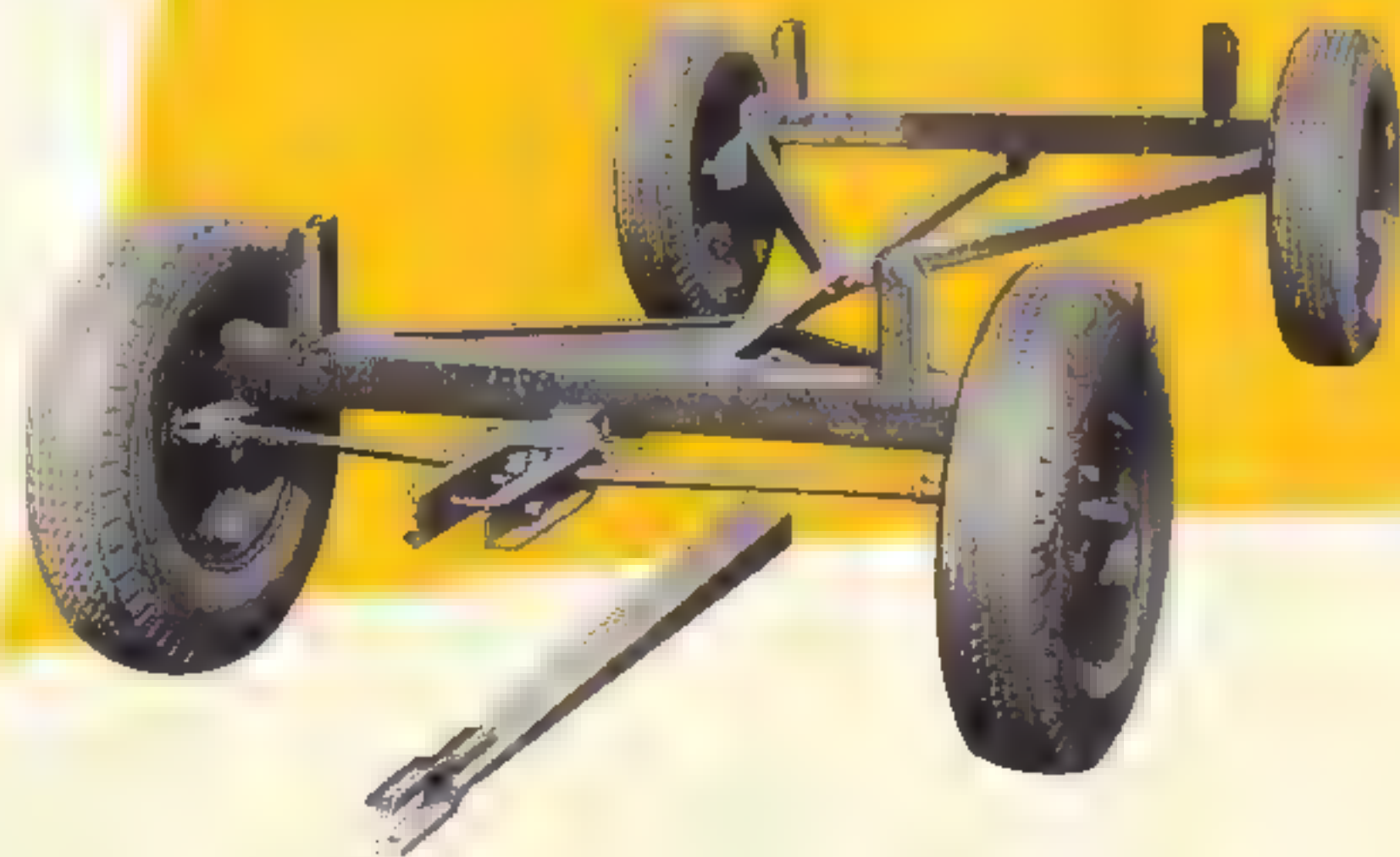
Weight 83 lbs.

AUTO-STEER TYPE FARM WAGON

NO. 650 (below) Capacity 6000 lbs. Advanced box section design of axles and larger spindles gives this wagon greater capacity. Hounds, axles and reach collars are welded into an integral unit. Bolster stakes adjustable for 38" or 42" box. Oscillating reach is adjustable from 7' 1" to 12' wheelbase. Equipped with rear hitch.

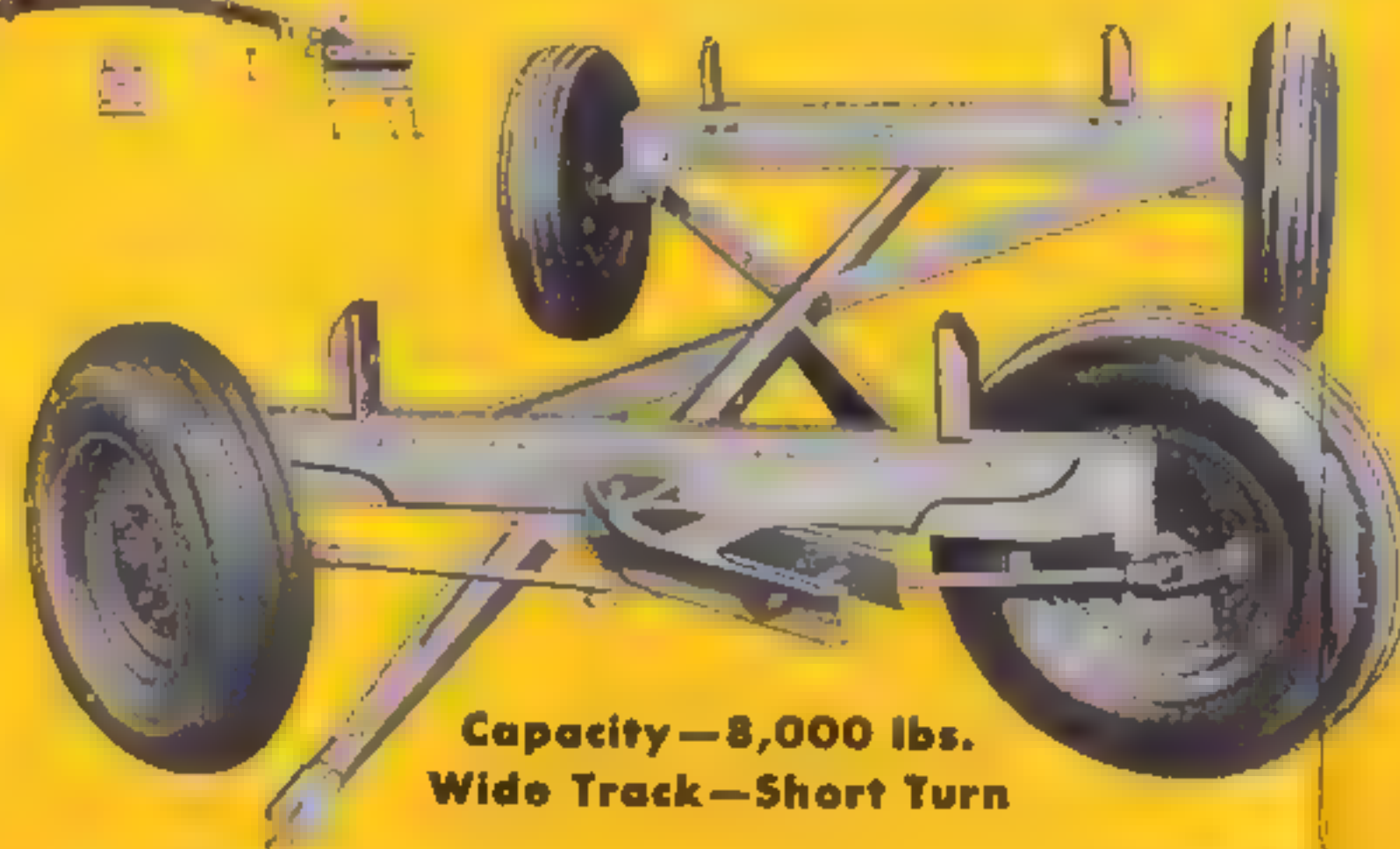
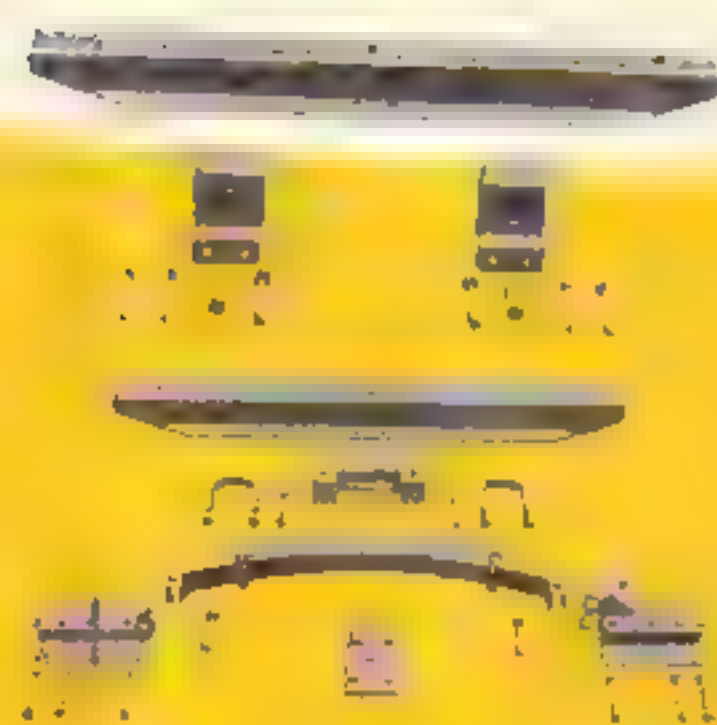
Steering rod is placed through center of pole hounds for straight line steering and elimination of interference.

Furnished with 16" wheels as standard or 15" wheels as optional equipment. Weight less tires 387 lbs.



NO. 650 660 760

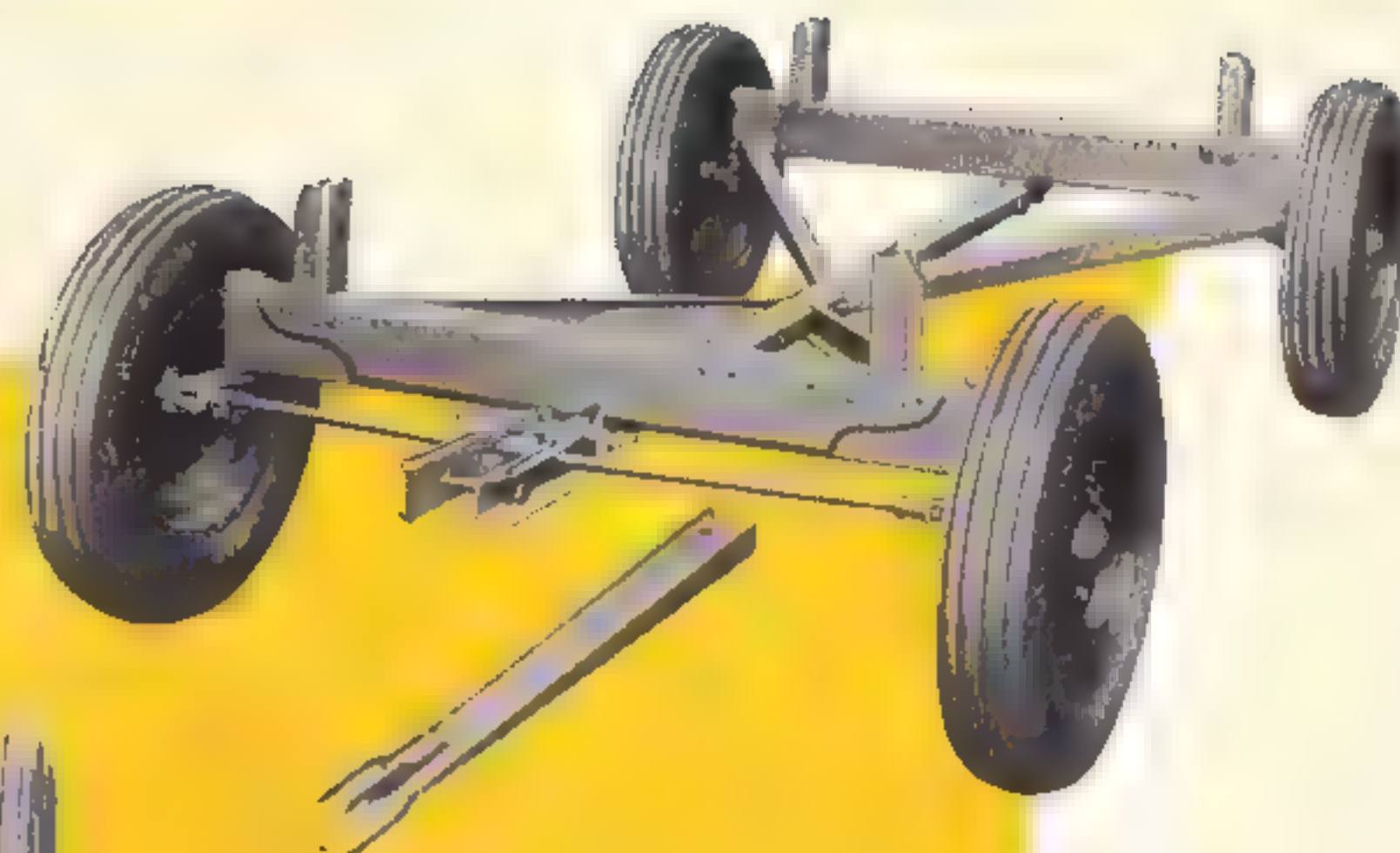
All Auto Steer Wagons shown are designed to take the No. 663 Rocking Bolster or No. 664 Spring Bolster assemblies illustrated.



Capacity—8,000 lbs.
Wide Track—Short Turn

NO. 760 (above) Permits turning in a true circle without skidding the tires. Special design front axles with heavy spindles and improved steering arrangement. Reach sleeve, hounds and axle welded into an integral unit. Stakes adjustable for 38" or 42" box. Oscillating reach adjustable from 7' 1" to 12' wheelbase in multiples of 1'. Equipped with rear towing eye. 16" Heavy Duty Wheels are standard 15" wheels are optional.

Weight less tires 605 lbs.



NO. 660 (above) Capacity 8000 lbs. Here again advanced design has been used to provide capacity for hauling greater than average loads. Large spindles and closed box section axles with hounds welded to axles and reach collars insure strength and rigidity. Bolster stakes adjustable for 38" or 42" box.

Oscillating reach is adjustable from 7' 1" to 12' wheelbase in multiples of 1'. Equipped with rear towing eye for pulling in Tandem.

Steering rod placed thru center of pole hitch for straight line steering and to prevent interference. Available with 16 x 5.50 DC disc wheels as standard or 15" wheels as optional equipment.

Weight less tires 476 lbs.



FIFTH-WHEEL TYPE FARM WAGONS

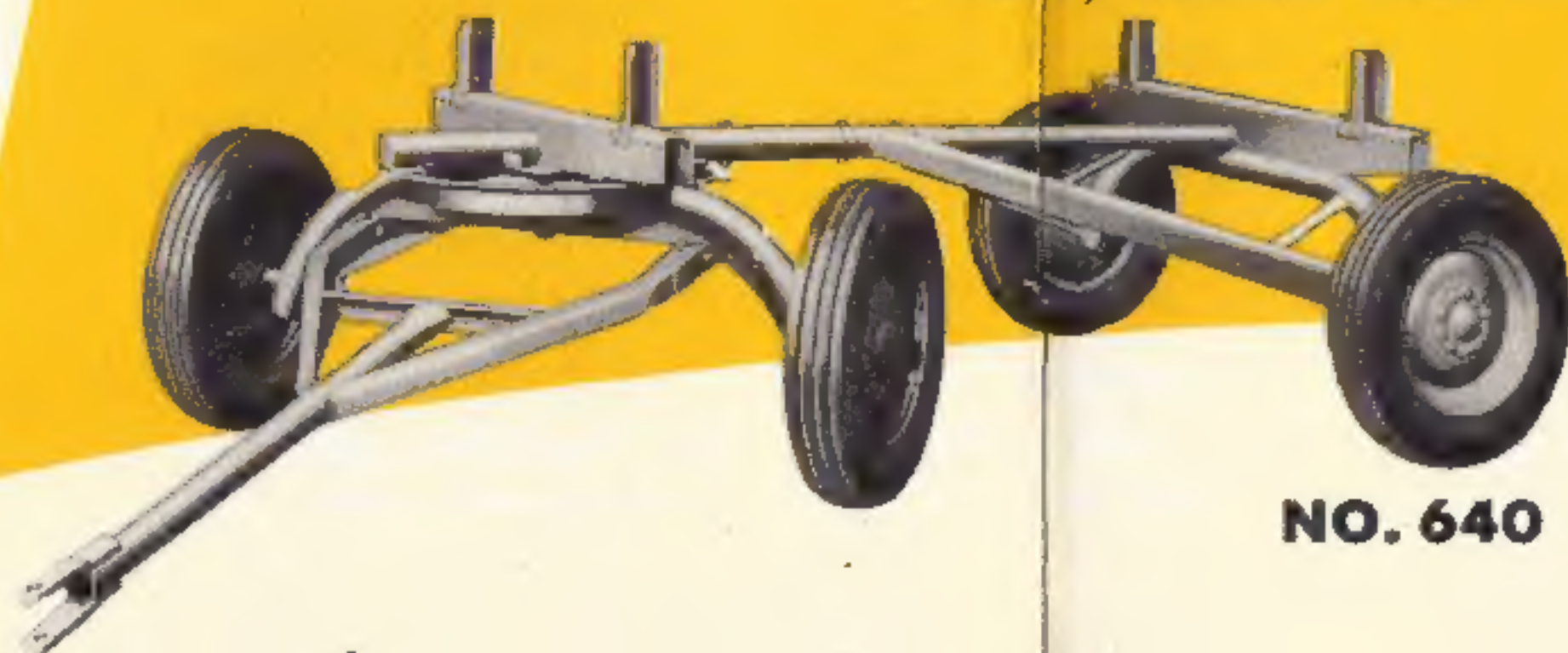
NO. 640 (below) Capacity 6000 lbs. Fifth wheel cut under type with high clearance and short turning radius.

Bolsters, hounds and axles welded into integral units. Large diameter fifth wheel with king pin fitted with sleeve.

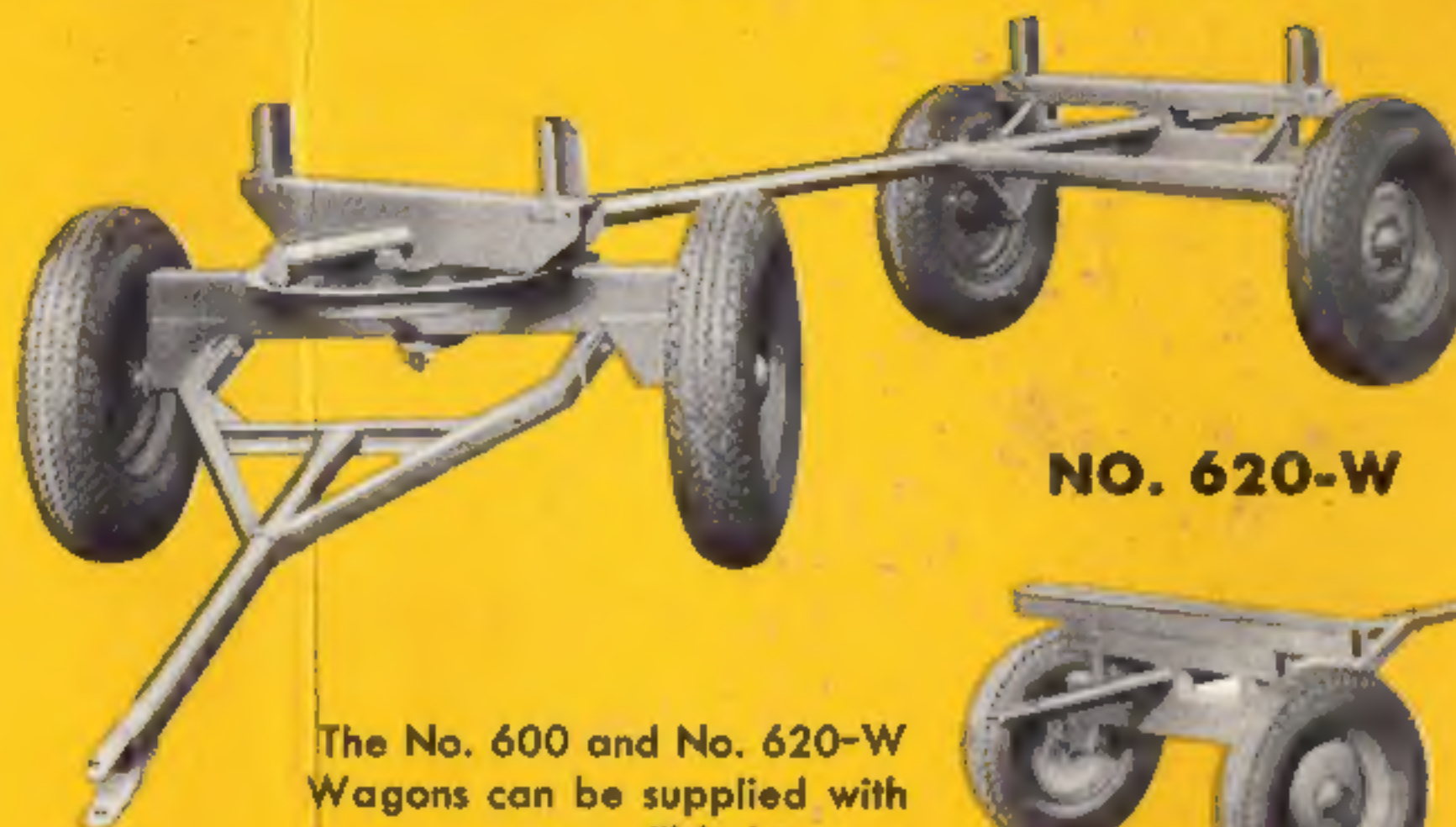
Formed steel bolsters with stakes adjustable for 38", 42" or 52" box.

Oscillating reach adjustable from 7' to 11' equipped with towing eye. Extra long heavy "A" type drawbar. 16" disc wheels are standard. 15" wheels optional.

Weight less tires 610 lbs.



NO. 640



NO. 620-W

The No. 600 and No. 620-W Wagons can be supplied with cross sill bolsters as illustrated, to permit building of a flat deck.

NO. 620-W (above) Capacity 8000 lbs. Heavy duty fifth wheel type with low loading height and short turning radius.

Heavy formed steel axles

with large spindles. Formed steel bolsters with stakes adjustable from 38" or 42" box. Large fifth wheel insures maximum support.

Oscillating reach extending from 7' to 11' equipped with towing eye. Heavy "A" type drawbar.

16 x 5.50 DC disc wheels for 7.50 x 16 tires.

Weight less tires 649 lbs.



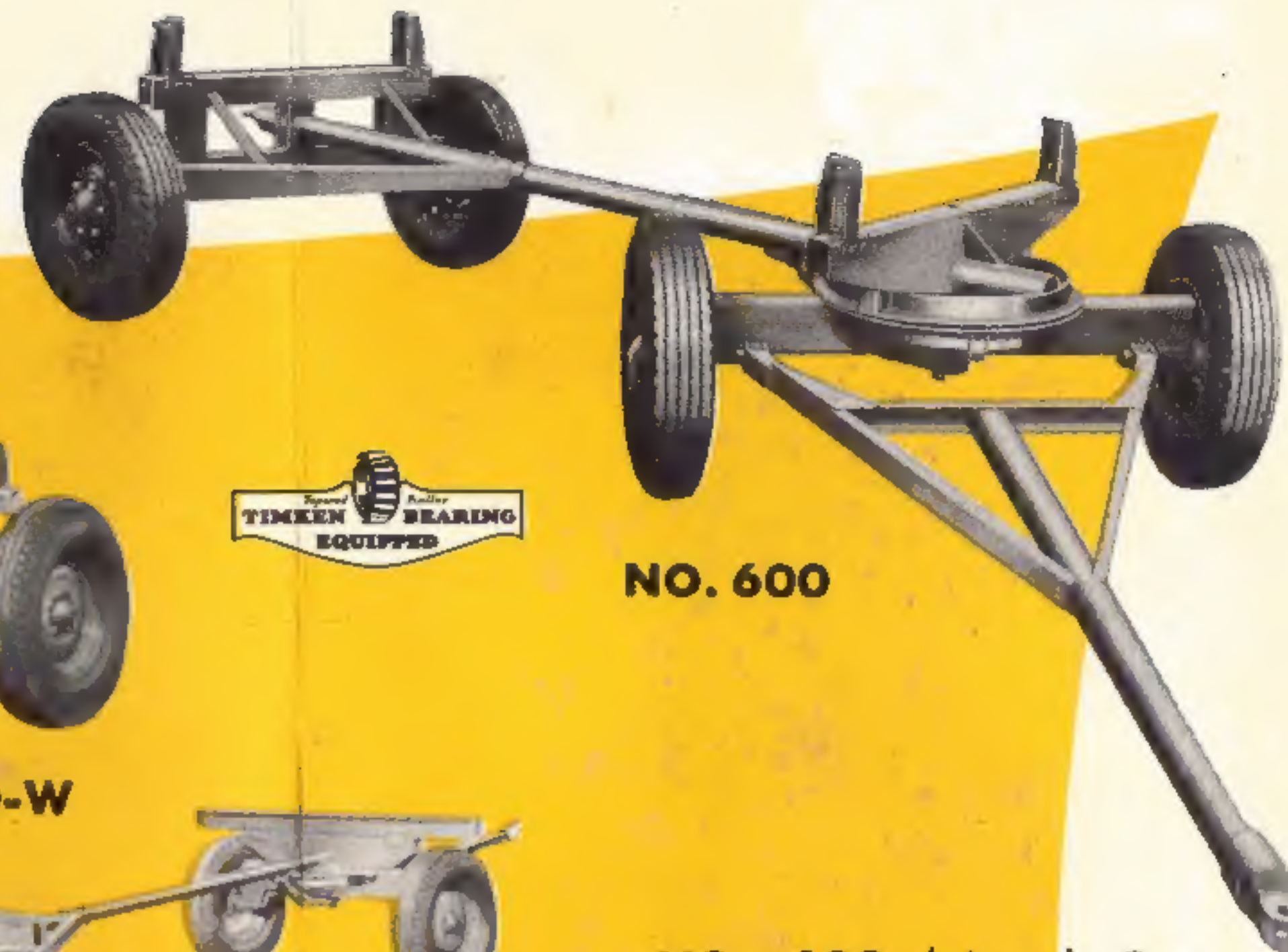
NO. 600

NO. 600 (above) Capacity 10,000 lbs. Extra heavy duty fifth wheel cut under type. Heavy formed steel box section axles with long formed steel hounds. Large diameter double fifth wheels welded to axle and bolsters.

Formed steel bolsters. Stakes adjustable from 38" to 48".

Oscillating reach adjustable 11' to 14'. Optional reach for 8' to 11' adjustment. Rear towing eye. Extra long "A" type drawbar.

Weight less tires 916 lbs.





UNIT
ASSEMBLED FOR
UNLOADING



NO.
630

HEAVY DUTY POWER UNLOADER

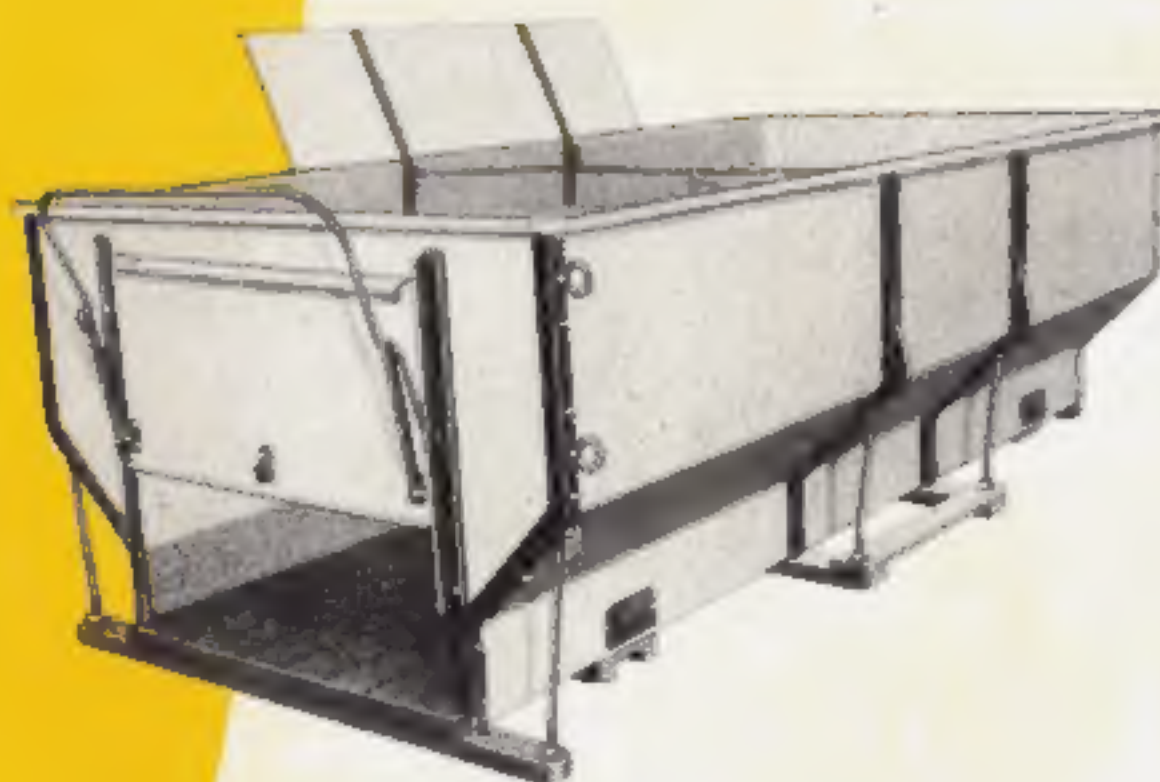
Designed for efficient and economical unloading of wagons by either canvas or false endgate method.

3 speeds forward and 1 neutral. Travel speeds 1', 1½' or 3' per minute. Easily transported and adjusted for height and arranged for electric or gas engine mounting. Will operate from either side of wagon. Self aligning antifriction bearings. Belt and gear guards provided.

Capacity 8000 lbs.

Weight less canvas 166 lbs.

FLARE TYPE WAGON BOX



NO. 727-B WAGON BOX. Illustrating rear endgate in raised position and steel bang board which is available for one or both sides. Endgate operates in angle iron slides to prevent binding and is equipped with hook for locking lift bar. Entire endgate is removable.

Sides formed of one piece heavy gauge galvanized steel. Bottom of the sides is flanged underneath floor for additional support. Box is 10' 4" long, 61" wide, at top, 38" at bottom and 39" deep.

Rear endgate is removable sliding type operated by one piece lift bar and can be locked in open or closed position. 14" opening in raised position. Floor is made of 2" tongue and grooved kiln dried long leaf yellow pine and treated with copper sulphate solution to prevent decay. Four heavy oak sills act as support for bottom and bracing.

Heavy channel bracing and supports fastened with rust proof bolts insure long life.

Capacity—126 cu. ft. Holds 102 bushels shelled corn or 51 bushels ear corn.



UNIT
ASSEMBLED FOR
UNLOADING



NO.
630

HEAVY DUTY POWER UNLOADER

Designed for efficient and economical unloading of wagons by either canvas or false endgate method.

3 speeds forward and 1 neutral. Travel speeds 1', 1½' or 3' per minute. Easily transported and adjusted for height and arranged for electric or gas engine mounting. Will operate from either side of wagon. Self aligning antifriction bearings. Belt and gear guards provided.

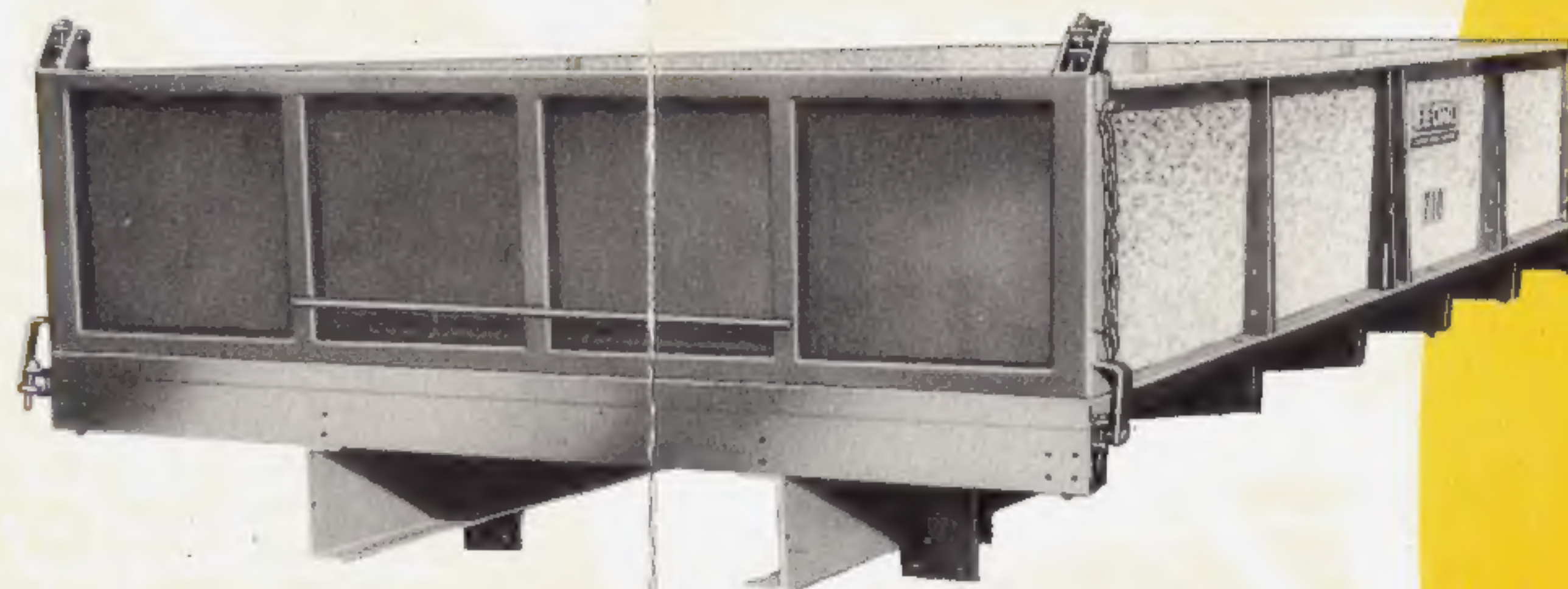
Capacity 8000 lbs.

Weight less canvas 166 lbs.

MODEL 710

NO. 640

BIG HAUL BARGE TYPE WAGON BOX



BIG HAUL BOX EXTENSION

SIDES. Extension sides are 26" in depth equipped with stakes for attaching to regular box. Swinging endgate 46" in depth replaces regular endgate.

Main sills are heavy formed Steel Channel properly reinforced and braced. Rear cross sill is heavy formed steel with angle steel cap over rear end of floor. Other cross sills are extra heavy kiln dried hardwood. Floor is 2" tongue and grooved kiln dried lumber and comes completely assembled.

Sides and front end are 20" in depth of heavy galvanized sheet steel. Rear endgate is heavy formed steel and operates from top or bottom of sides. Sides reinforced with steel and hardwood braces and hold down irons to assure grain tight seal.

13½' long by 7' wide by 20' deep. Capacity 58 bushels ear corn or 115 bushels shelled corn. Weight 1130 lbs.

ESTABLISHED 1875 .

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Posted in June 2021
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